

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

OIL CONS. DIV DIST. 3

MAR 15 2016

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

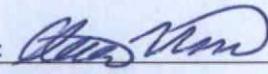
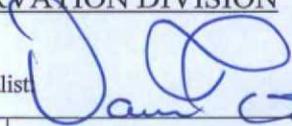
Name of Company: BP	Contact: Steve Moskal
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497
Facility Name: Gallegos Canyon Unit 230E	Facility Type: Natural gas well
Surface Owner: Federal	Mineral Owner: Federal
API No. 3004526010	

LOCATION OF RELEASE

Unit Letter O	Section 23	Township 28N	Range 12W	Feet from the 1,070	North/South Line South	Feet from the 1,630	East/West Line East	County: San Juan
Latitude 36.64318°				Longitude -108.07756°				

NATURE OF RELEASE

Type of Release: condensate/oil and produced water	Volume of Release: unknown	Volume Recovered: Approx. none
Source of Release: 95 bbl BGT – Tank A	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 2/12/2016
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Soils below the BGT were sampled during closure activities. NMOCD observed sampling. The BGT appeared to have good integrity and the impacts are likely related to historical releases or the location of a former earthen pit.		
Describe Area Affected and Cleanup Action Taken.* The impacted soils were excavated and removed from the site for landfarm treatment. The area of excavation measured approximately 25'x 25'x 11' deep with a total of 180 cubic yards removed from the site. Confirmation closure samples were collected under the observation of the NMOCD with results below the spill and release guidelines. A field report and laboratory reports are attached.		
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: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Steve Moskal	Approved by Environmental Specialist 	
Title: Field Environmental Coordinator	Approval Date: 03/22/2016	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval: —	Attached <input type="checkbox"/>
Date: March 14, 2016	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

NVF 1608236449

BP America: GCU 230E
(O) Sec 23 – T28N – R12W
San Juan County, New Mexico
API: 30-045-26010

Summary Record of Impact Remediation

February 12, 2016 Initial sampling of 95 BGT for permanent closure. No visual staining or other indication that the BGT had any prior release or integrity issues. Sampling witnessed by NMOCD.

February 13, 2016 Receipt of rush laboratory test reports. BGT failed on TPH only (at 2,237 mg/Kg, primarily diesel and motor oil range organics). Failed lab results reported to NMOCD.

Site NMOCD/BLM closure standard determined at 100 ppm TPH based on:

- Horizontal Distance to Dry Wash < 1,000 feet (10 points)
- Nearest Water Well > 1,000 feet (0 points)
- Depth to Groundwater < 100 feet (10 points)

February 16, 2016 Begin investigation of impact area using backhoe. Test holes dug to approximately 11' deep in center and at perimeter edges of prior BGT location. Soft sandstone encountered at approximately 5' – 6' below grade. Base samples collected from each test hole, and composite sidewall samples collected from perimeter edge test holes for laboratory testing.

February 17, 2016 Receive rush lab results. All passed except south sidewall composite.

February 18, 2016 Hydrovac along Enterprise sales line on south side of impact area to allow excavation closer to that line. No evidence of hydrocarbon impacts along or below Enterprise line.

February 24, 2016 Excavate source area to approximately 25' x 25' x 11' deep using trackhoe. Remove all impacted soils on south sidewall, with final excavation about 4' – 5' north of Enterprise line. Sample south sidewall for closure, witnessed by NMOCD

February 25, 2016 Receive rush lab results from prior days sampling. Samples pass.

Sample ID	Date/Time	Field OVM	TPH 8015B (DRO+GRO+MRO)	BTEX 8021	Chloride	Comments
TH-1 @ 11' (@BGT location)	2/16/2016 @ 12:36	2.3 ppm	ND	ND	ND	Passed
TH-2 @ 11' (North Base)	2/16/2016 @ 12:23	1.3 ppm	ND	ND	38 mg/Kg	Passed
TH-2 @ (6'8"9.5') (North Sidewall)	2/16/2016 @ 10:04	1.3 ppm	ND	ND	NA	Passed
TH-3 @ 11' (West Base)	2/16/2016 @ 12:12	1.1 ppm	ND	ND	35 mg/Kg	Passed
TH-3 @ (6'8"11') (West Sidewall)	2/16/2016 @ 12:12	29.9 ppm	ND	ND	NA	Passed

TH-4 @ 11.5' (South Base)	2/16/2016 @ 13:13	1.8 ppm	ND	ND	ND	Passed
TH-4 @ (6'8'10') (South Sidewall)	2/16/2016 @ 13:06	2,504 ppm	1,920 mg/Kg	0.71 mg/Kg	NA	Failed & subsequently excavated.
TH-5 @ 11.5' (East Base)	2/16/2016 @ 13:41	0.7 ppm	ND	ND	ND	Passed
TH-5 @ (6'8'10') (East Sidewall)	2/16/2016 @ 13:37	2.0 ppm	ND	ND	NA	Passed
South Wall 3-pt (6'-8'-11')	2/24/2016 @ 14:37	0.5 ppm	ND	ND	ND	Passed
NMOCD/BLM	Closure Standard:	NA	100 mg/Kg	50 mg/Kg	100 mg/Kg	

February 26, 2016 Complete backfilling operations. Total volume transported to JFJ Crouch Mesa Landfarm = 180 cubic yards (Form C-138 Attached).

50 ft



Enterprise Pipelines

Prior 95 BQT

Remedial Excavation
(25' x 25' x 11' Deep)



GCU 230E
(O) Sec 23 - T28N - R12W
APN 30-045-26010



100 ft



95 D/D - Tank A

95 S/D - Tank B

MH

BP - GCU 230E
(O) Sec. 23, T28N, R12W
API #: 3004526010
Imagery date: 3/15/2015

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004526010 TANK ID (if applicable): A
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FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

PAGE #: **2** of

SITE INFORMATION:	SITE NAME: GCU # 230E
QUAD/UNIT: O SEC: 23 TWP: 28N RNG: 12W PM: NM CNTY: SJ ST: NM	DATE STARTED: 02/16/16
1/4 -1/4 FOOTAGE: 1,070'S / 1,630'E SW/SE LEASE TYPE: FEDERAL / STATE / <u>FEE</u> / INDIAN	DATE FINISHED:
LEASE #: SF078904 PROD. FORMATION: DK/GP CONTRACTOR: STRIKE MBF - J. POWELL	ENVIRONMENTAL SPECIALIST(S): NJV/JCB

REFERENCE POINT:	WELL HEAD (W.H.) GPS COORD.: 36.64349 X 108.07760	GL ELEV.: 5,771'
1) 95 BGT (A) (DW/DB)	GPS COORD.: 36.64318 X 108.07756	DISTANCE/BEARING FROM WH: 120', S11E
2) 	GPS COORD.: 	DISTANCE/BEARING FROM WH:
3) 	GPS COORD.: 	DISTANCE/BEARING FROM WH:
4) 	GPS COORD.: 	DISTANCE/BEARING FROM WH:

SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL	OVM READING (ppm)
1) SAMPLE ID: Multiple samples (see summary table) SAMPLE DATE: 02/16/16 SAMPLE TIME: LAB ANALYSIS: 8015B/8021B/300.0 (CI)	2) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 	
3) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 	4) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 	
5) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 		

SOIL DESCRIPTION:	SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)
SOIL COLOR: OLIVE TO LIGHT GRAY / PALE YELLOWISH BROWN	PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE	DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE	HC ODOR DETECTED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EXPLANATION - SEE SUMMARY TABLE FOR PID READINGS.
MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED	ANY AREAS DISPLAYING WETNESS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION -
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 3	DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - VARYING GRAYS TO BROWNS OBSERVED IN BEDROCK SANDSTONE.

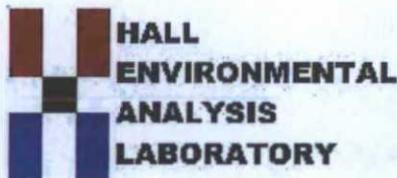
SITE OBSERVATIONS:	LOST INTEGRITY OF EQUIPMENT: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION -
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EXPLANATION: FROM SUBSEQUENT SAMPLING LAB RESULTS CONDUCTED ON 2/12/16.	EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - UNKNOWN AT THIS TIME.
OTHER: ADVANCED 5 TEST HOLES BENEATH BGT BOTTOM & PERIMETER (see sketch below). SAMPLE POINT DISTANCES ARE; TH1 to TH2 = 8 FT., TH1 to TH3 = 10 FT, TH1 to TH4 = 11 FT, TH1 to TH5 = 11 FT. TH4 ~ 10 FT. FROM ENTERPRISE PIPELINE.	SOIL IMPACT DIMENSION ESTIMATION: ft. X ft. X ft. IMPACTED SOIL ESTIMATION (Cubic Yards): ?
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 100 ppm	

SITE SKETCH	BGT Located : off / <input checked="" type="checkbox"/> on site	PLOT PLAN circle: attached
		OVM CALIB. READ. = 100.3 ppm RF=0.52 OVM CALIB. GAS = 100 ppm TIME: 9:45 (am/pm) DATE: 02/16/16

MISCELL. NOTES	
WO:	
REF. #: P-273	
VID: VMOS6HQFEC	
PJ #:	
Permit date(s): 06/15/11	
OCD Appr. date(s): 08/09/11	
Tank ID: A	OVM = Organic Vapor Meter ppm = parts per million
BGT Sidewalls Visible: Y / (N)	
BGT Sidewalls Visible: Y / N	
BGT Sidewalls Visible: Y / N	
Magnetic declination: 10° E	

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

NOTES: **GOOGLE EARTH IMAGERY DATE: 3/15/2015.** ONSITE: **02/09/16, 02/12/16, 02/16/16**



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

February 25, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 632-1199
FAX (505) 632-3903

RE: GCU #230E

OrderNo.: 1602771

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 7 sample(s) on 2/17/2016 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602771

Date Reported: 2/25/2016

CLIENT: Blagg Engineering

Client Sample ID: TH2 @ 11'

Project: GCU #230E

Collection Date: 2/16/2016 12:23:00 PM

Lab ID: 1602771-002

Matrix: SOIL

Received Date: 2/17/2016 7:52:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	38	30		mg/Kg	20	2/23/2016 2:40:55 PM	23908
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/23/2016 12:55:18 PM	23841
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/23/2016 12:55:18 PM	23841
Surr: DNOP	103	70-130		%Rec	1	2/23/2016 12:55:18 PM	23841
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/22/2016 12:50:11 PM	23846
Surr: BFB	92.2	66.2-112		%Rec	1	2/22/2016 12:50:11 PM	23846
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	2/22/2016 12:50:11 PM	23846
Toluene	ND	0.047		mg/Kg	1	2/22/2016 12:50:11 PM	23846
Ethylbenzene	ND	0.047		mg/Kg	1	2/22/2016 12:50:11 PM	23846
Xylenes, Total	ND	0.095		mg/Kg	1	2/22/2016 12:50:11 PM	23846
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	2/22/2016 12:50:11 PM	23846

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602771

Date Reported: 2/25/2016

CLIENT: Blagg Engineering

Client Sample ID: TH3 @ 11'

Project: GCU #230E

Collection Date: 2/16/2016 12:12:00 PM

Lab ID: 1602771-003

Matrix: SOIL

Received Date: 2/17/2016 7:52:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	35	30		mg/Kg	20	2/23/2016 2:53:19 PM	23908
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/23/2016 1:16:56 PM	23841
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2016 1:16:56 PM	23841
Surr: DNOP	99.8	70-130		%Rec	1	2/23/2016 1:16:56 PM	23841
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/22/2016 1:13:50 PM	23846
Surr: BFB	93.5	66.2-112		%Rec	1	2/22/2016 1:13:50 PM	23846
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	2/22/2016 1:13:50 PM	23846
Toluene	ND	0.049		mg/Kg	1	2/22/2016 1:13:50 PM	23846
Ethylbenzene	ND	0.049		mg/Kg	1	2/22/2016 1:13:50 PM	23846
Xylenes, Total	ND	0.098		mg/Kg	1	2/22/2016 1:13:50 PM	23846
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	2/22/2016 1:13:50 PM	23846

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602771

Date Reported: 2/25/2016

CLIENT: Blagg Engineering

Client Sample ID: TH4 @ 11.5'

Project: GCU #230E

Collection Date: 2/16/2016 1:13:00 PM

Lab ID: 1602771-004

Matrix: SOIL

Received Date: 2/17/2016 7:52:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	2/23/2016 3:05:44 PM	23908
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/23/2016 1:38:28 PM	23841
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2016 1:38:28 PM	23841
Surr: DNOP	98.4	70-130		%Rec	1	2/23/2016 1:38:28 PM	23841
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/22/2016 1:37:25 PM	23846
Surr: BFB	93.1	66.2-112		%Rec	1	2/22/2016 1:37:25 PM	23846
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	2/22/2016 1:37:25 PM	23846
Toluene	ND	0.046		mg/Kg	1	2/22/2016 1:37:25 PM	23846
Ethylbenzene	ND	0.046		mg/Kg	1	2/22/2016 1:37:25 PM	23846
Xylenes, Total	ND	0.093		mg/Kg	1	2/22/2016 1:37:25 PM	23846
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	2/22/2016 1:37:25 PM	23846

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
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602771

Date Reported: 2/25/2016

CLIENT: Blagg Engineering

Client Sample ID: TH2 @ (6', 8', 9.5')

Project: GCU #230E

Collection Date: 2/16/2016 10:04:00 AM

Lab ID: 1602771-006

Matrix: SOIL

Received Date: 2/17/2016 7:52:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/23/2016 2:21:40 PM	23841
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2016 2:21:40 PM	23841
Surr: DNOP	98.1	70-130		%Rec	1	2/23/2016 2:21:40 PM	23841
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/22/2016 7:54:07 PM	23846
Surr: BFB	93.6	66.2-112		%Rec	1	2/22/2016 7:54:07 PM	23846
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	2/22/2016 7:54:07 PM	23846
Toluene	ND	0.046		mg/Kg	1	2/22/2016 7:54:07 PM	23846
Ethylbenzene	ND	0.046		mg/Kg	1	2/22/2016 7:54:07 PM	23846
Xylenes, Total	ND	0.093		mg/Kg	1	2/22/2016 7:54:07 PM	23846
Surr: 4-Bromofluorobenzene	113	80-120		%Rec	1	2/22/2016 7:54:07 PM	23846

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH3 @ (6', 8', 11')

Project: GCU #230E

Collection Date: 2/16/2016 12:12:00 PM

Lab ID: 1602771-007

Matrix: SOIL

Received Date: 2/17/2016 7:52:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/23/2016 2:43:24 PM	23841
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2016 2:43:24 PM	23841
Surr: DNOP	108	70-130		%Rec	1	2/23/2016 2:43:24 PM	23841
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/22/2016 8:17:31 PM	23846
Surr: BFB	94.7	66.2-112		%Rec	1	2/22/2016 8:17:31 PM	23846
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	2/22/2016 8:17:31 PM	23846
Toluene	ND	0.047		mg/Kg	1	2/22/2016 8:17:31 PM	23846
Ethylbenzene	ND	0.047		mg/Kg	1	2/22/2016 8:17:31 PM	23846
Xylenes, Total	ND	0.095		mg/Kg	1	2/22/2016 8:17:31 PM	23846
Surr: 4-Bromofluorobenzene	115	80-120		%Rec	1	2/22/2016 8:17:31 PM	23846

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
D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602771

25-Feb-16

Client: Blagg Engineering

Project: GCU #230E

Sample ID	MB-23908	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	23908	RunNo:	32364					
Prep Date:	2/23/2016	Analysis Date:	2/23/2016	SeqNo:	989481	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-23908	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	23908	RunNo:	32364					
Prep Date:	2/23/2016	Analysis Date:	2/23/2016	SeqNo:	989482	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602771

25-Feb-16

Client: Blagg Engineering

Project: GCU #230E

Sample ID	LCS-23841	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23841	RunNo:	32326					
Prep Date:	2/19/2016	Analysis Date:	2/23/2016	SeqNo:	988157	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	65.8	136			
Surr: DNOP	5.5		5.000		110	70	130			

Sample ID	LCS-23882	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23882	RunNo:	32326					
Prep Date:	2/23/2016	Analysis Date:	2/23/2016	SeqNo:	988158	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID	MB-23841	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23841	RunNo:	32326					
Prep Date:	2/19/2016	Analysis Date:	2/23/2016	SeqNo:	988159	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		114	70	130			

Sample ID	MB-23882	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23882	RunNo:	32326					
Prep Date:	2/23/2016	Analysis Date:	2/23/2016	SeqNo:	988160	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		94.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602771

25-Feb-16

Client: Blagg Engineering

Project: GCU #230E

Sample ID	MB-23846	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	23846	RunNo:	32301					
Prep Date:	2/19/2016	Analysis Date:	2/22/2016	SeqNo:	987802	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	930		1000		93.3	66.2	112			

Sample ID	LCS-23846	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	23846	RunNo:	32301					
Prep Date:	2/19/2016	Analysis Date:	2/22/2016	SeqNo:	987805	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	79.6	122			
Surr: BFB	990		1000		99.3	66.2	112			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602771

25-Feb-16

Client: Blagg Engineering

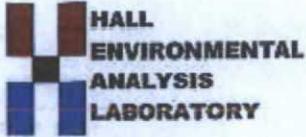
Project: GCU #230E

Sample ID	MB-23846	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	23846	RunNo:	32301					
Prep Date:	2/19/2016	Analysis Date:	2/22/2016	SeqNo:	987873	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	1.1		1.000		114	80	120			

Sample ID	LCS-23846	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	23846	RunNo:	32301					
Prep Date:	2/19/2016	Analysis Date:	2/22/2016	SeqNo:	987880	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



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

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1602771**

RcptNo: **1**

Received by/date: AT 02/17/16

Logged By: **Michelle Garcia** **2/17/2016 7:52:00 AM** *Michelle Garcia*

Completed By: **Michelle Garcia** **2/18/2016 1:38:15 PM** *Michelle Garcia*

Reviewed By: *[Signature]* 02/19/16

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
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 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	1.0	Good	Yes			

Chain-of-Custody Record

Client: BLAKE ENER. / BP AMERICA

Mailing Address: P.O. BOX 87

BLOOMFIELD, NM 87413

Phone #: (505) 320-1183

Mail or Fax#:

A/QC Package:

Standard Level 4 (Full Validation)

Accreditation: NELAP Other _____

EDD (Type): _____

Turn-Around Time:

Standard Rush

Project Name:

GCY # 230E

Project #:

Project Manager:

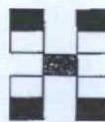
JEFF BLAKE

Sampler:

JEFF BLAKE

On Ice: Yes No

Sample Temperature: 10



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX (8021B)	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)	CHLORIDE (300.0)	# 3 FT. COMPOSITE	GRAB SAMPLE	Air Bubbles (Y or N)
1/6/16	1236	SOIL	TH1 @ 11'	402-1	COOL	1602771-001	✓	✓										✓		✓	
1/6/16	1223	SOIL	TH2 @ 11'	402-1	COOL	-002	✓	✓										✓		✓	
1/6/16	1212	SOIL	TH3 @ 11'	402-1	COOL	-003	✓	✓										✓		✓	
1/6/16	1313	SOIL	TH4 @ 11.5'	402-1	COOL	-004	✓	✓										✓		✓	
1/6/16	1341	SOIL	TH5 @ 11.5'	402-1	COOL	-005	✓	✓										✓		✓	
1/6/16	1004	SOIL	TH2 @ (6', 8', 9.5')	402-1	COOL	-006	✓	✓												✓	
1/6/16	1212	SOIL	TH3 @ (6', 8', 11')	402-1	COOL	-007	✓	✓												✓	

Date: 1/6/16 Time: 1630 Relinquished by: Jeff Blagg

Received by: [Signature] Date: 2/10/16 Time: 1630

Remarks: SEND INVOICE DIRECTLY TO BP

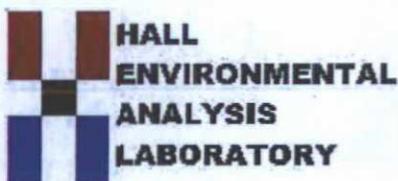
Date: 1/12/16 Time: 1817 Relinquished by: [Signature]

Received by: [Signature] Date: 2/02/17 Time: 0752

CONTACT: STEVE MOSKAL

VID #: VMS06HQFEC REF #: P-273

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.



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

February 18, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 632-1199
FAX (505) 632-3903

RE: GCU #230E

OrderNo.: 1602667

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/17/2016 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
 Project: GCU #230E
 Lab ID: 1602667-001

Matrix: SOIL

Client Sample ID: TH 4 @ (6',8',10')
 Collection Date: 2/16/2016 1:06:00 PM
 Received Date: 2/17/2016 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	1200	100		mg/Kg	10	2/17/2016 12:02:13 PM	23771
Motor Oil Range Organics (MRO)	600	510		mg/Kg	10	2/17/2016 12:02:13 PM	23771
Surr: DNOP	0	70-130	S	%Rec	10	2/17/2016 12:02:13 PM	23771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	120	4.3		mg/Kg	1	2/17/2016 11:46:20 AM	A32204
Surr: BFB	1220	66.2-112	S	%Rec	1	2/17/2016 11:46:20 AM	A32204
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.043		mg/Kg	1	2/17/2016 11:46:20 AM	B32204
Toluene	ND	0.043		mg/Kg	1	2/17/2016 11:46:20 AM	B32204
Ethylbenzene	ND	0.043		mg/Kg	1	2/17/2016 11:46:20 AM	B32204
Xylenes, Total	0.71	0.086		mg/Kg	1	2/17/2016 11:46:20 AM	B32204
Surr: 4-Bromofluorobenzene	158	80-120	S	%Rec	1	2/17/2016 11:46:20 AM	B32204

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
 Project: GCU #230E
 Lab ID: 1602667-002

Client Sample ID: TH 5 @ (6',8',10')
 Collection Date: 2/16/2016 1:37:00 PM
 Received Date: 2/17/2016 7:50:00 AM

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/17/2016 12:24:45 PM	23771
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/17/2016 12:24:45 PM	23771
Surr: DNOP	80.8	70-130		%Rec	1	2/17/2016 12:24:45 PM	23771
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/17/2016 12:09:59 PM	A32204
Surr: BFB	100	66.2-112		%Rec	1	2/17/2016 12:09:59 PM	A32204
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	2/17/2016 12:09:59 PM	B32204
Toluene	ND	0.046		mg/Kg	1	2/17/2016 12:09:59 PM	B32204
Ethylbenzene	ND	0.046		mg/Kg	1	2/17/2016 12:09:59 PM	B32204
Xylenes, Total	ND	0.093		mg/Kg	1	2/17/2016 12:09:59 PM	B32204
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	2/17/2016 12:09:59 PM	B32204

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602667

18-Feb-16

Client: Blagg Engineering

Project: GCU #230E

Sample ID	MB-23771	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23771	RunNo:	32179					
Prep Date:	2/17/2016	Analysis Date:	2/17/2016	SeqNo:	984150	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	7.3		10.00		73.4	70	130			

Sample ID	LCS-23771	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23771	RunNo:	32179					
Prep Date:	2/17/2016	Analysis Date:	2/17/2016	SeqNo:	984152	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.8	65.8	136			
Surr: DNOP	3.7		5.000		73.3	70	130			

Sample ID	MB-23740	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23740	RunNo:	32199					
Prep Date:	2/15/2016	Analysis Date:	2/17/2016	SeqNo:	984257	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.7		10.00		96.8	70	130			

Sample ID	LCS-23740	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23740	RunNo:	32199					
Prep Date:	2/15/2016	Analysis Date:	2/17/2016	SeqNo:	984258	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.9	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602667

18-Feb-16

Client: Blagg Engineering

Project: GCU #230E

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	A32204	RunNo:	32204					
Prep Date:		Analysis Date:	2/17/2016	SeqNo:	984873	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	920		1000		92.4	66.2	112			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	A32204	RunNo:	32204					
Prep Date:		Analysis Date:	2/17/2016	SeqNo:	984874	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	79.6	122			
Surr: BFB	980		1000		98.4	66.2	112			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602667

18-Feb-16

Client: Blagg Engineering

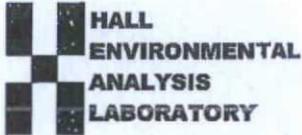
Project: GCU #230E

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B32204	RunNo:	32204					
Prep Date:		Analysis Date:	2/17/2016	SeqNo:	984890	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	1.1		1.000		111	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B32204	RunNo:	32204					
Prep Date:		Analysis Date:	2/17/2016	SeqNo:	984891	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	94.4	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



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: **BLAGG**

Work Order Number: **1602667**

RcptNo: **1**

Received by/date: AT 02/17/16

Logged By: **Anne Thorne** 2/17/2016 7:50:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 2/17/2016 *Anne Thorne*

Reviewed By: *JA* 02/17/16

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? Yes No
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 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	1.0	Good	Yes			

Chain-of-Custody Record

Client: BLASS ENGR. / BP AMERICA

Mailing Address: P.O. BOX 87
BLOOMFIELD, NM 87413

Phone #: (505) 320-1183

Mail or Fax#: JEFF NELSON, STEVE MOSKAL

QC Package: Standard Level 4 (Full Validation)

Creditation: NELAP Other _____

EDD (Type) _____

Turn-Around Time: SAME DAY
 Standard Rush

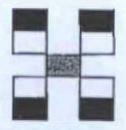
Project Name: SCU # 230E

Project #: _____

Project Manager: JEFF BLASS

Sampler: JEFF BLASS
On Ice: Yes No

Sample Temperature: 1.0



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

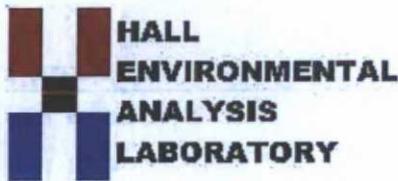
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	3 FT. COMPOSITE	Air Bubbles (Y or N)	
1/14/16	1306	SOIL 1306 TH4C	(6', 8', 10')	02/17/16 Meystedt 402-1	COOL	1602161 201	✓	✓											✓	
1/16/16	1337	SOIL 1337 TH5C	(6', 8', 10')	402-1	COOL	202	✓	✓											✓	

Relinquished by: Jeff Blagg 1/14/16 11:20
Received by: Mat Laetz 2/14/16 16:30

Relinquished by: Mat Laetz 1/16/16 18:17
Received by: Umm 02/17/16 07:50

Remarks: SEND INVOICE DIRECTLY TO BP.
CONTACT: STEVE MOSKAL
VID #: VMOS6HQFEC REF. #: P-273

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



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

February 26, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 632-1199
FAX (505) 632-3903

RE: GCU 230 E

OrderNo.: 1602A41

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/25/2016 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 qualifiers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering **Client Sample ID:** South Wall 3-pt (6'-8'-11')
Project: GCU 230 E **Collection Date:** 2/24/2016 2:37:00 PM
Lab ID: 1602A41-001 **Matrix:** SOIL **Received Date:** 2/25/2016 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	2/25/2016 10:33:01 AM	23953
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/25/2016 10:06:16 AM	23933
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/25/2016 10:06:16 AM	23933
Surr: DNOP	103	70-130		%Rec	1	2/25/2016 10:06:16 AM	23933
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	2/25/2016 1:08:30 PM	23925
Surr: BFB	94.3	66.2-112		%Rec	1	2/25/2016 1:08:30 PM	23925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.045		mg/Kg	1	2/25/2016 1:08:30 PM	23925
Toluene	ND	0.045		mg/Kg	1	2/25/2016 1:08:30 PM	23925
Ethylbenzene	ND	0.045		mg/Kg	1	2/25/2016 1:08:30 PM	23925
Xylenes, Total	ND	0.090		mg/Kg	1	2/25/2016 1:08:30 PM	23925
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	2/25/2016 1:08:30 PM	23925

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602A41

26-Feb-16

Client: Blagg Engineering

Project: GCU 230 E

Sample ID	MB-23953	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	23953	RunNo:	32430					
Prep Date:	2/25/2016	Analysis Date:	2/25/2016	SeqNo:	991759	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-23953	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	23953	RunNo:	32430					
Prep Date:	2/25/2016	Analysis Date:	2/25/2016	SeqNo:	991760	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602A41

26-Feb-16

Client: Blagg Engineering

Project: GCU 230 E

Sample ID	LCS-23933	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23933	RunNo:	32388					
Prep Date:	2/25/2016	Analysis Date:	2/25/2016	SeqNo:	990382	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	65.8	136			
Surr: DNOP	5.0		5.000		99.0	70	130			

Sample ID	MB-23933	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23933	RunNo:	32388					
Prep Date:	2/25/2016	Analysis Date:	2/25/2016	SeqNo:	990383	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	10		10.00		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602A41
26-Feb-16

Client: Blagg Engineering
Project: GCU 230 E

Sample ID MB-23925	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 23925	RunNo: 32403								
Prep Date: 2/24/2016	Analysis Date: 2/25/2016	SeqNo: 991237	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	930		1000		92.8	66.2	112			

Sample ID LCS-23925	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 23925	RunNo: 32403								
Prep Date: 2/24/2016	Analysis Date: 2/25/2016	SeqNo: 991238	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	79.6	122			
Surr: BFB	970		1000		97.3	66.2	112			

Sample ID 5ML RB	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R32403	RunNo: 32403								
Prep Date:	Analysis Date: 2/25/2016	SeqNo: 991252	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		93.3	66.2	112			

Sample ID 2.5UG GRO LCS	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R32403	RunNo: 32403								
Prep Date:	Analysis Date: 2/25/2016	SeqNo: 991253	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	66.2	112			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602A41

26-Feb-16

Client: Blagg Engineering

Project: GCU 230 E

Sample ID	MB-23925	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	23925	RunNo:	32403					
Prep Date:	2/24/2016	Analysis Date:	2/25/2016	SeqNo:	991270	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	1.1		1.000		111	80	120			

Sample ID	LCS-23925	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	23925	RunNo:	32403					
Prep Date:	2/24/2016	Analysis Date:	2/25/2016	SeqNo:	991271	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
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- W Sample container temperature is out of limit as specified



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 4901 Hawkins NE
 Albuquerque, NM 87109
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 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1602A41**

RcptNo: **1**

Received by/date: LM 02/25/16

Logged By: **Anne Thorne** 2/25/2016 7:30:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 2/25/2016 *Anne Thorne*

Reviewed By: *JA* 02/25/16 25

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? Yes No
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)

Adjusted? _____

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	1.2	Good	Yes			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-138
Revised August 1, 2011

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

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: BP America Production Co. 200 Energy Ct. Farmington, NM 87401
2. Originating Site: Gallegos Canyon Unit 230E Paykey: VHIXONEVRM
3. Location of Material (Street Address, City, State or ULSTR): QRT/QRT: SW/SE Unit: O Section: 23 T28N R12W
4. Source and Description of Waste: Excavated hydrocarbon impacted soil/hydroexcavated impacted soil Estimated Volume <u>100/30</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) <u>100</u> yd ³ bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Steve Moskal</u> , representative or authorized agent for <u>BP America Production Company</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS <u>Steve Moskal</u> , representative for <u>BP America Production Company</u> authorize IEI to complete the required testing/sign the Generator Waste Testing Certification. I, <u>[Signature]</u> , representative for <u>IEI</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Strike <u>Crossfire</u>

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: #: Industrial Ecosystems Inc., JFJ Waste Management Facility (JFJ), Permit NM-01-0010B

Address of Facility: #49 CR 3150 Aztec, NM. 87410

Method of Treatment and/or Disposal:

Evaporation Injection Treating Plant Landfarm Landfill Other

Waste Acceptance Status:

APPROVED

DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Tamera Beery

TITLE: Clerk

DATE: 2-24-16

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-632-1782

2/18/16