

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

For drilling and production facilities, submit to appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator <u>BP America Production Company</u> Telephone: <u>(505)326-9200</u> e-mail address: _____											
Address <u>200 Energy Ct, Farmington, NM 87401</u>											
Facility or well name <u>GCU #239</u> API #: <u>30045 11740</u> U/L or Qtr/Qtr <u>H</u> Sec <u>24</u> T <u>28</u> N R <u>13</u> W											
County <u>San Juan</u> Latitude _____ Longitude _____ NAD 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>											
Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>											
<table border="1"><thead><tr><th>Pit</th><th>Below-grade tank</th></tr></thead><tbody><tr><td>Type Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl</td><td>Volume: _____ bbl Type of fluid: <u>MA</u> Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____</td></tr></tbody></table>			Pit	Below-grade tank	Type Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: <u>MA</u> Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____					
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Ranking Score (Total Points)	<u>0</u>										

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered. No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments
See Attached Documentation
RCVD JUN13'07
OIL CONS. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date <u>11/01/2005</u>	
Printed Name/Title <u>Jeffrey C. Blagg, Agent</u> Signature <u>Jeffrey C. Blagg</u>	
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations	
Approval <u>Deputy Oil & Gas Inspector,</u> Printed Name/Title <u>District #3</u> Signature <u>Bob Bell</u> Date <u>AUG 10 2007</u>	

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>80836</u> CDC NO <u>8267</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No <u>1</u> of <u>1</u>
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LOCATION: NAME <u>GLU</u> WELL # <u>239</u> PIT <u>SEP.</u>	DATE STARTED <u>2/7/01</u> DATE FINISHED _____
QUAD/UNIT <u>H SEC 24 TWP 28N RNG 13W PM NM CNTY ST NM</u>	ENVIRONMENTAL SPECIALIST <u>NV</u>
QTR/FOOTAGE: <u>1860'N/1120'E</u> FENCE CONTRACTOR <u>P+S</u>	

EXCAVATION APPROX. <u>17</u> FT x <u>25</u> FT x <u>6</u> FT DEEP CUBIC YARDAGE <u>80</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE <u>SF 077966</u> FORMATION <u>FT</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>185</u> FT. <u>N18W</u> FROM WELL HEAD
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:
<div style="float: right; border: 1px solid black; padding: 2px;"> CHECK <u>ONE</u> <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED </div>
OVM CALIB. READ <u>51.8</u> ppm TIME: <u>1215</u> am/PM <u>2/6/01</u>

SIDEWALLS - TOP HALF MOSTLY GRAYISH TO DK. YELL. ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HC ODOR DETECTED WITHIN EXCAVATION OR OVM SAMPLES, BOTTOM HALF CONSISTED OF BEDROCK WITH SAME COLOR, FRAGILE TO HARD, NO EVIDENCE OF DISCOLORATION.

BOTTOM - BEDROCK (SANDSTONE) DK. YELL. ORANGE WITH SMALL ISOLATED PATCHES OF MED. TO DK. GRAY DISCOLORATION, OVM SAMPLE CONSISTED OF MOSTLY DISCOLORED ROCK WITH STRONG HC ODOR.

BEDROCK
BOTTOM

CLOSED

WELL PLUGGED & ABANDONED

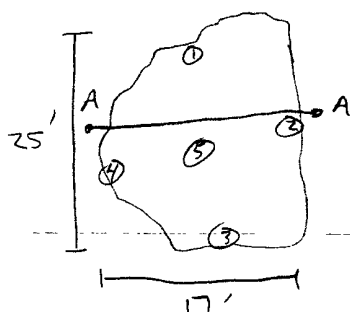
FIELD 418.1 CALCULATIONS

SCALE
0 FT

TIME	SAMPLE ID	LAB No:	WEIGHT (g)	ml FREON	DILUTION	READING	CALC	ppm
1430								

PIT PERIMETER

PIT PROFILE

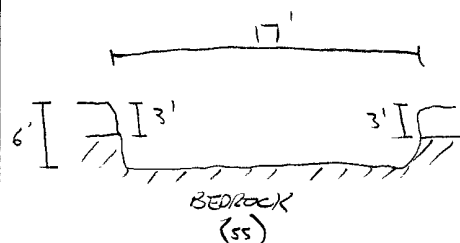


OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	1.8
2 @ 3'	2.4
3 @ 3'	2.2
4 @ 3'	0.0
5 @ 6'	263

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3 @ 6'	TPH & BTEX	1430
BOTH PASSED		



TRAVEL NOTES. CALLOUT: <u>2/6/01 - AFTER.</u> ONSITE: <u>2/7/01 - AFTER.</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

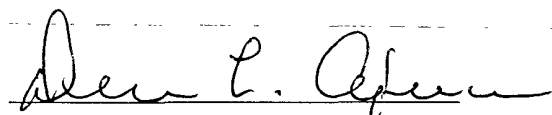
Client:	Blagg / BP	Project #:	04034-010
Sample ID:	5 @ 6'	Date Reported:	02-08-01
Laboratory Number:	19182	Date Sampled:	02-07-01
Chain of Custody No:	8267	Date Received:	02-08-01
Sample Matrix:	Soil	Date Extracted:	02-08-01
Preservative:	Cool	Date Analyzed:	02-08-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

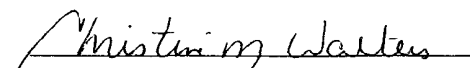
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	73.1	0.2
Diesel Range (C10 - C28)	187	0.1
Total Petroleum Hydrocarbons	260	0.1

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **GCU #239 Separator Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	04034-010
Sample ID:	5 @ 6'	Date Reported:	02-08-01
Laboratory Number:	19182	Date Sampled:	02-07-01
Chain of Custody:	8267	Date Received:	02-08-01
Sample Matrix:	Soil	Date Analyzed:	02-08-01
Preservative:	Cool	Date Extracted:	02-08-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	110	1.7
Ethylbenzene	71.9	1.5
p,m-Xylene	597	2.2
o-Xylene	186	1.0
Total BTEX	965	

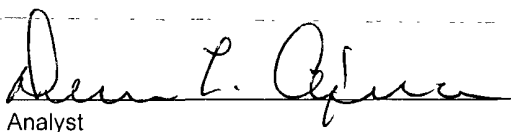
ND - Parameter not detected at the stated detection limit.

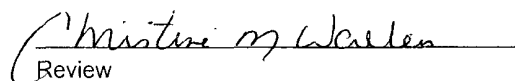
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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

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

Comments: GCU #239 Separator Pit.


Analyst


Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80836C.O.C. NO: HALL

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: GCU WELL#: 239 PITS: _____ DATE STARTED 4/24/07
QUAD/UNIT: H SEC: 24 TWP: 28N RNG: 13W PM: NM CNTY: ST ST: Nm DATE FINISHED _____
QTR/FOOTAGE: _____ SE/NE CONTRACTOR: _____ ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: _____

LAND USE: RANGE - BOLLER PROPERTY

LIFT DEPTH (ft): _____

N/A

FIELD NOTES & REMARKS:

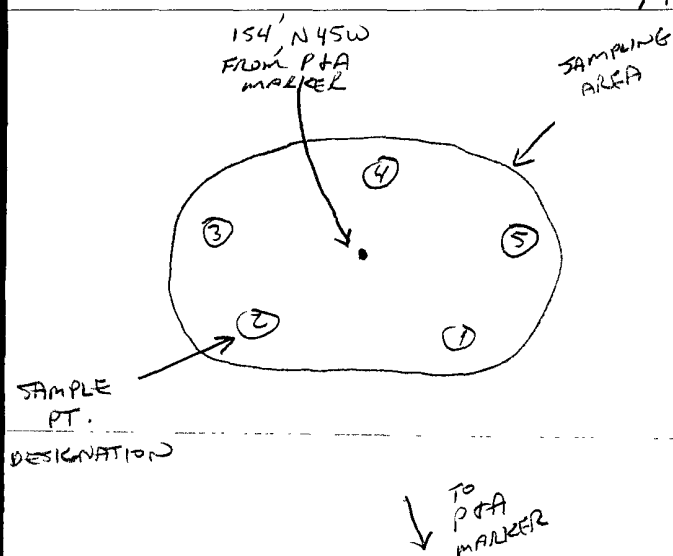
DEPTH TO GROUNDWATER: >100' NEAREST SURFACE WATER: >1,000'NEAREST WATER SOURCE: >1,000' NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5,000 PPMSOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: MOSTLY DUSKY BROWNCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDCLOSEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - _____HC ODOR DETECTED: YES / NO EXPLANATION - _____SAMPLING DEPTHS (LANDFARMS): 4-6 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5ADDITIONAL COMMENTS: NO ACTUAL LANDFARM OBSERVED ON-SITE.

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. = 52.2 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME 11:50 am/pm DATE: 4/24/07

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (ppm)
LF-1	0.0	LF-1	TPH (80158)	1230	ND
		"	CHLOR.	"	1.1

SCALE

0 FT

P.C. - 2/7/01

TRAVEL NOTES. CALLOUT: N/AONSITE: 11/15/01, 4/24/07

Hall Environmental Analysis Laboratory, Inc.

Date: 04-May-07

CLIENT: Blagg Engineering

Client Sample ID: LF-1 Landfarm

Lab Order: 0704376

Collection Date: 4/24/2007 12:30:00 PM

Project: GCU #239

Date Received: 4/25/2007

Lab ID: 0704376-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/27/2007 12:19:38 PM
Surr. DNOP	96.1	61	7-135	%REC	1	4/27/2007 12:19:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/27/2007 4:59:34 AM
Surr. BFB	112	84	138	%REC	1	4/27/2007 4:59:34 AM
EPA METHOD 9056A: ANIONS						Analyst: TES
Chloride	1.1	0.30		mg/Kg	1	4/29/2007 5:15:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Box 1980, Hobbs, NM

District III

1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>BP AMOCO</u>		Telephone: <u>(505) 326-9200</u>
Address: <u>200 AMOCO COURT, FARMINGTON, NM 87401</u>		
Facility or Well Name: <u>GCU # 239</u>		
Location: Unit or Qtr/Qtr Sec <u>H</u> Sec <u>24</u> T <u>28N</u> R <u>13W</u> County <u>San Juan</u>		
Pit Type: Separator <input type="checkbox"/> Dehydrator <input type="checkbox"/> Other <u>Blow</u>		
Land Type: BLM <input checked="" type="checkbox"/> , State <input type="checkbox"/> , Fee <input type="checkbox"/> , Other <input type="checkbox"/>		

Pit Location: (Attach diagram)	Pit dimensions: length <u>27'</u> , width <u>25'</u> , depth <u>2'</u> Reference: wellhead <u>X</u> , other _____ Footage from reference: <u>207'</u> Direction from reference: <u>70</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input checked="" type="checkbox"/> West <input type="checkbox"/> South
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Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	<table style="width:100%;"> <tr> <td>Less than 50 feet</td> <td>(20 points)</td> <td></td> </tr> <tr> <td>50 feet to 99 feet</td> <td>(10 points)</td> <td></td> </tr> <tr> <td>Greater than 100 feet</td> <td>(0 points)</td> <td align="right"><u>0</u></td> </tr> </table>	Less than 50 feet	(20 points)		50 feet to 99 feet	(10 points)		Greater than 100 feet	(0 points)	<u>0</u>
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50 feet to 99 feet	(10 points)									
Greater than 100 feet	(0 points)	<u>0</u>								

Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	<table style="width:100%;"> <tr> <td>Yes</td> <td>(20 points)</td> <td></td> </tr> <tr> <td>No</td> <td>(0 points)</td> <td align="right"><u>0</u></td> </tr> </table>	Yes	(20 points)		No	(0 points)	<u>0</u>
Yes	(20 points)						
No	(0 points)	<u>0</u>					

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	<table style="width:100%;"> <tr> <td>Less than 100 feet</td> <td>(20 points)</td> <td></td> </tr> <tr> <td>100 feet to 1000 feet</td> <td>(10 points)</td> <td></td> </tr> <tr> <td>Greater than 1000 feet</td> <td>(0 points)</td> <td align="right"><u>0</u></td> </tr> </table>	Less than 100 feet	(20 points)		100 feet to 1000 feet	(10 points)		Greater than 1000 feet	(0 points)	<u>0</u>
Less than 100 feet	(20 points)									
100 feet to 1000 feet	(10 points)									
Greater than 1000 feet	(0 points)	<u>0</u>								

RANKING SCORE (TOTAL POINTS):		<u>0</u>
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revised: 03/12/01

bei1202.wpd

Date Remediation Started: _____ Date Completed: 2/8/01

Remediation Method: Excavation ☒ Approx. cubic yards 25
Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(i.e. landfarmed onsite, name and location of offsite facility)General Description of Remedial Action: Excavation. MOSTLY BEDROCK.Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 1' (PIT Bottom)

Sample date 2/7/01 Sample time 1400

Sample Results

Soil: Benzene (ppm) 0.0180 Water: Benzene (ppb) _____Total BTEX (ppm) 2.930 Toluene (ppb) _____Field Headspace (ppm) 287 Ethylbenzene (ppb) _____TPH (ppm) 886 Total Xylenes (ppb) _____Groundwater Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 2/8/01 PRINTED NAME Jeffrey C. BlaggSIGNATURE Jeffrey C. Blagg AND TITLE President P. E. # 11607

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Box 1980, DD, Artesia, NM

District III

1000 Rio Brazo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION**P.O. BOX 2088****SANTA FE, NEW MEXICO 87504-2088**

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: **BP AMOCO** Telephone: **(505) 326-9200**Address: **200 AMOCO COURT, FARMINGTON, NM 87401**Facility or Well Name: **GCU # 239**Location: Unit or Qtr/Qtr Sec **H** Sec **24** T **28N** R **13W** County **San Juan**Pit Type: Separator ☒ Dehydrator ☐ Other ☐Land Type: BLM ☒, State ☐, Fee ☐, Other ☐Pit Location:
(Attach diagram)Pit dimensions: length **17'**, width **25'**, depth **6'**Reference: wellhead **X**, other ☐Footage from reference: **185'**Direction from reference: **18** Degrees ☐ East ☒ North ☒
☒ West ☐ South**Depth To Groundwater:**(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	0

Wellhead Protection Area:(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes	(20 points)	
No	(0 points)	0

Distance To Surface Water:(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	0

RANKING SCORE (TOTAL POINTS): **0**

Date Remediation Started: _____ Date Completed: 2/8/01

Remediation Method: Excavation ☒ Landfarmed ☒ Other _____

Check all appropriate sections) Excavation ☒ Landfarmed ☒ Insitu Bioremediation _____

Approx. cubic yards 80

Remediation Location: Onsite ☒ Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. BEDROCK BOTTOM.

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 6' (PIT BOTTOM)

Sample date 2/7/01 Sample time 1430

Sample Results

Soil: Benzene	(ppm) <u>ND</u>	Water: Benzene	(ppb) _____
Total BTEX	(ppm) <u>0.965</u>	Toluene	(ppb) _____
Field Headspace	(ppm) <u>263</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>260</u>	Total Xylenes	(ppb) _____

Groundwater Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 2/8/01 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P. E. # 11607

CHAIN OF CUSTODY RECORD

0826

Client / Project Name BLAGG / BP			Project Location GCN # 239		ANALYSIS / PARAMETERS								
Sampler: NJV			Client No. 04034-010		No. of Containers	TPH (8015)	BTEX (8021)					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
① @ 1'	2/7/01	1400	19181	5012	1	✓	✓					BLOW PIT	
⑤ @ 6'	2/7/01	1430	19182	5012	1	✓	✓					SEPARATOR PIT	
Relinquished by: (Signature) <i>[Signature]</i>			Date 2/8/01	Time 0823	Received by: (Signature) <i>[Signature]</i>						Date 2-8-01	Time 823	
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-08-TPH QA/QC	Date Reported:	02-08-01
Laboratory Number:	19180	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-08-01
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	12-20-00	2.7271E-002	2.7243E-002	0.10%	0 - 15%
Diesel Range C10 - C28	12-20-00	2.4288E-002	2.4240E-002	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

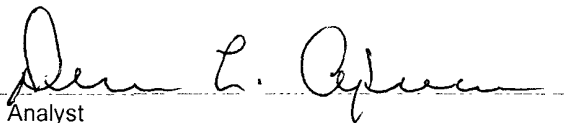
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	953	949	0.4%	0 - 30%
Diesel Range C10 - C28	59.0	58.8	0.3%	0 - 30%

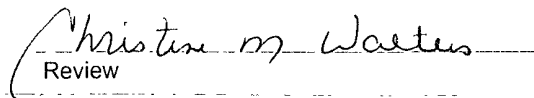
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	953	250	1,200	100%	75 - 125%
Diesel Range C10 - C28	59.0	250	308	100%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 19180 - 19182.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #:	N/A
Sample ID	02-08-BTEX QA/QC	Date Reported:	02-08-01
Laboratory Number:	19180	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-08-01
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept: Range 0 - 15%			
Benzene	3 8333E-002	3 8425E-002	0.2%	ND	0.2
Toluene	3 7664E-002	3.7732E-002	0.2%	ND	0.2
Ethylbenzene	5 9685E-002	5.9810E-002	0.2%	ND	0.2
p,m-Xylene	5 4964E-002	5.5102E-002	0.3%	ND	0.2
o-Xylene	4 7339E-002	4 7420E-002	0.2%	ND	0.1

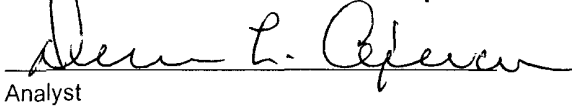
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	349	338	2.9%	0 - 30%	1.8
Toluene	1,450	1,400	3.4%	0 - 30%	1.7
Ethylbenzene	464	448	3.3%	0 - 30%	1.5
p,m-Xylene	1,590	1,540	3.1%	0 - 30%	2.2
o-Xylene	634	617	2.7%	0 - 30%	1.0

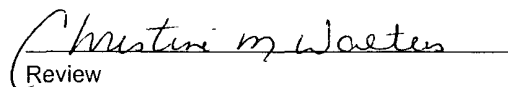
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	349	50.0	391	98%	39 - 150
Toluene	1,450	50.0	1,480	99%	46 - 148
Ethylbenzene	464	50.0	508	99%	32 - 160
p,m-Xylene	1,590	100	1,670	99%	46 - 148
o-Xylene	634	50.0	677	99%	46 - 148

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for samples 19180 - 19182.


Analyst


Review

Level 4

Project Name:

602 # 239

BLFD. NM 87413

Project Manager:

✓✓

Sample Temperature:

W

Sample Temperature:

Sample I.D. No.

4/24/07	1230
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7103

LF-1

Number/Volume

1-402.

Preservative

HgCl ₂	HNO ₃	
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HEAL No.

0704376

1

Date:	Time:
4/24/67	1345

Relinquished By: {Signature}

Acquainted By: (Signature) *[Signature]*

Received By: (Signature)

4/25/07

Relinquished By: (Signature)

Received By: (Signature)

1

ANALYSIS LABORATORY

4901 Hawkins NE Suite D

ALBUQUERQUE, New Mexico 87100

Albuquerque, New Mexico 87105

Tel. 505.345.3975 Fax 505.345.4107

www.hallenvironmental.com

ANALYSIS REQUEST

[illegible]

Remarks:

6.45 & DIESEL RANGES ONLY
ON TPH ANALYSIS.

5 pt. Composite Sample

QA/QC SUMMARY REPORT

Client: Blagg Engineering
Project: GCU #239

Work Order: 0704376

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW9056A									
Sample ID: 0704376-01AMSD		MSD			Batch ID:	12825	Analysis Date:	4/29/2007 6:42:18 PM	
Chloride	12.05	mg/Kg	0.30	72.8	80	120	13.1	20	S
Sample ID: MB-12825		MBLK			Batch ID:	12825	Analysis Date:	4/29/2007 2:03:46 PM	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-12825		LCS			Batch ID:	12825	Analysis Date:	4/29/2007 2:21:10 PM	
Chloride	14.52	mg/Kg	0.30	96.8	90	110			
Sample ID: 0704376-01AMS		MS			Batch ID:	12825	Analysis Date:	4/29/2007 6:24:54 PM	
Chloride	13.74	mg/Kg	0.30	84.1	80	120			
Method: SW8015									
Sample ID: MB-12814		MBLK			Batch ID:	12814	Analysis Date:	4/27/2007 9:29:02 AM	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Sample ID: LCS-12814		LCS			Batch ID:	12814	Analysis Date:	4/27/2007 9:52:16 AM	
Diesel Range Organics (DRO)	40.47	mg/Kg	10	80.9	64.6	116			
Sample ID: LCSD-12814		LCSD			Batch ID:	12814	Analysis Date:	4/27/2007 10:36:20 AM	
Diesel Range Organics (DRO)	39.63	mg/Kg	10	79.3	64.6	116	2.08	17.4	
Method: SW8015									
Sample ID: MB-12807		MBLK			Batch ID:	12807	Analysis Date:	4/27/2007 12:29:07 AM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-12807		LCS			Batch ID:	12807	Analysis Date:	4/27/2007 12:59:14 AM	
Gasoline Range Organics (GRO)	24.94	mg/Kg	5.0	85.0	69.5	120			
Sample ID: LCSD-12807		LCSD			Batch ID:	12807	Analysis Date:	4/27/2007 1:29:17 AM	
Gasoline Range Organics (GRO)	24.86	mg/Kg	5.0	84.7	69.5	120	0.321	11.6	

Qualifiers:

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
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name BLAGG

Date and Time Received

4/25/2007

Work Order Number 0704376

Received by TLS

Checklist completed by

Amiya Sh
Signature

Apr 25, 07
Date

Matrix

Carrier name UPS

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Water - Preservation labels on bottle and cap match?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	

Container/Temp Blank temperature?

1°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS.

Client contacted

Date contacted:

Person contacted

Contacted by

Regarding

Comments:

Corrective Action