

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>Gau com E #161</u> API #: <u>30045 07977</u> U/L or Qtr/Qtr <u>0</u> Sec <u>23</u> T <u>29N</u> R <u>13W</u>                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                          |                      |
| County <u>San Juan</u> Latitude _____ Longitude _____ NAD 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                          |                      |
| Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>                                                                                                                                                                                                                                                              |                                                                                                                                                                                                          |                      |
| <b>Pit</b><br>Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/><br>Workover <input type="checkbox"/> Emergency <input type="checkbox"/><br>Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/><br>Liner type Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/><br>Pit Volume _____ bbl | <b>Below-grade tank</b><br>Volume: _____ bbl Type of fluid: <u>NA</u><br>Construction material: _____<br>Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____ |                      |
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water)                                                                                                                                                                                                                                                                                                           | Less than 50 feet                                                                                                                                                                                        | (20 points)          |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | 50 feet or more, but less than 100 feet                                                                                                                                                                  | (10 points) <u>0</u> |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | 100 feet or more                                                                                                                                                                                         | (0 points)           |
| 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) <u>0</u>  |
| Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)                                                                                                                                                                                                                                                                           | Less than 200 feet                                                                                                                                                                                       | (20 points)          |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | 200 feet or more, but less than 1000 feet                                                                                                                                                                | (10 points) <u>0</u> |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | 1000 feet or more                                                                                                                                                                                        | (0 points)           |
| 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 11/01/2005  
Printed Name/Title Jeffrey C Blagg, Agent Signature Jeffrey C. Blagg

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 Deputy Oil & Gas Inspector, District #3  
Printed Name/Title \_\_\_\_\_ Signature B. D. Ball Date AUG 10 2007

CLIENT: BP
**BLAGG ENGINEERING, INC.**  
**P.O. BOX 87, BLOOMFIELD, NM 87413**  
**(505) 632-1199**
LOCATION NO: 81024COCR NO: 10705**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME: GCLY com E WELL#: 161 TYPE: DEHY.DATE STARTED: 4/2/03QUAD/UNIT: 0 SEC: 23 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST: NM

DATE FINISHED: \_\_\_\_\_

QTR/FOOTAGE: 1020'S/1525'E SW/SE CONTRACTOR: L & L (DAN)ENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. 18 FT. x 19 FT. x 4 FT. DEEP. CUBIC YARDAGE: 50DISPOSAL FACILITY: ON-SITEREMEDIATION METHOD: LANDFARMLAND USE: RANGE - SURF. USE - FEELEASE: NM073847FORMATION: DK**FIELD NOTES & REMARKS:**PIT LOCATED APPROXIMATELY 160 FT. 50E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100'NEAREST WATER SOURCE: >1000'NEAREST SURFACE WATER: >1000'NMOC D RANKING SCORE: 0NMOC D TPH CLOSURE STD: 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**
 OVM CALIB. READ. = 50.2 ppm CHECK  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: 8:35 (am/pm) DATE: 4/2/03
SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)SOIL COLOR: LT. TO DK. GRAY

BEDROCK - LT. OLIVE GRAY TO OLIVE GRAY

COHESION (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 &amp; SILT): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - ENTIRE PIT AREA & BEDROCK SURFACE.HC ODOR DETECTED: (YES) NO EXPLANATION - ENTIRE PIT AREA & OVM SAMPLE.SAMPLE TYPE: (GRAB) COMPOSITE - # OF PTS. \_\_\_\_\_
 ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK - BEDROCK - HARD SLIGHTLY FRIABLE.  
PLACED IMPACTED SOIL W/ EXISTING LANDFARM ON WELL PAD. PREVIOUS  
PIT CLOSURES CONDUCTED 7/02.

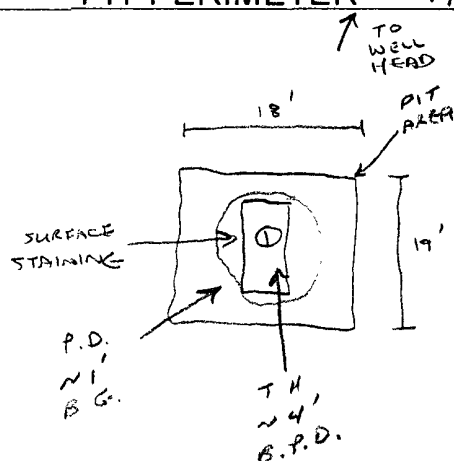
SCALE



0 FT

**FIELD 418.1 CALCULATIONS**

| SAMP. TIME | SAMP. ID | LAB NO. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. (ppm) |
|------------|----------|---------|------------|----------|----------|---------|-------------|
|            |          |         |            |          |          |         |             |
|            |          |         |            |          |          |         |             |

**PIT PERIMETER****OVM READING**

| SAMPLE ID | FIELD HEADSPACE (ppm) |
|-----------|-----------------------|
| 1 @ 5'    | 507                   |
| 2 @       |                       |
| 3 @       |                       |
| 4 @       |                       |
| 5 @       |                       |

**LAB SAMPLES**

| SAMPLE ID | ANALYSIS     | TIME |
|-----------|--------------|------|
| ① 25'     | TPH (8015B)  | 1135 |
| "         | BTEX (8021B) | "    |

 TPH - FAILED  
 BTEX - PASSED
**PIT PROFILE**

NOT APPLICABLE

 P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW  
 T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM
**TRAVEL NOTES:**CALLOUT: 4/2/03 - MORN.ONSITE: 4/2/03 - MORN.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP  
Sample ID: 1 @ 5'  
Laboratory Number: 25270  
Chain of Custody No: 10705  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

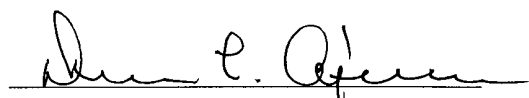
Project #: 94034-010  
Date Reported: 04-03-03  
Date Sampled: 04-02-03  
Date Received: 04-03-03  
Date Extracted: 04-03-03  
Date Analyzed: 04-03-03  
Analysis Requested: 8015 TPH

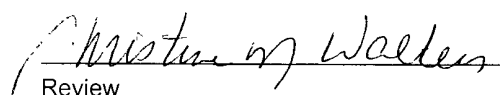
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 2,610                    | 0.2                      |
| Diesel Range (C10 - C28)     | 2,670                    | 0.1                      |
| Total Petroleum Hydrocarbons | 5,280                    | 0.2                      |

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 Com E #161 Dehydrator Pit Grab Sample.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |               |                     |           |
|--------------------|---------------|---------------------|-----------|
| Client:            | Blagg / BP    | Project #:          | 94034-010 |
| Sample ID:         | 1 @ 5'        | Date Reported:      | 04-03-02  |
| Laboratory Number: | 25270         | Date Sampled:       | 04-02-03  |
| Chain of Custody:  | 10705         | Date Received:      | 04-03-03  |
| Sample Matrix:     | Soil          | Date Analyzed:      | 04-03-03  |
| Preservative:      | Cool          | Date Extracted:     | 04-03-03  |
| Condition:         | Cool & Intact | Analysis Requested: | BTEX      |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 1,230                    | 1.8                      |
| Toluene      | 1,320                    | 1.7                      |
| Ethylbenzene | 1,100                    | 1.5                      |
| p,m-Xylene   | 2,970                    | 2.2                      |
| o-Xylene     | 1,670                    | 1.0                      |
| Total BTEX   | 8,300                    |                          |

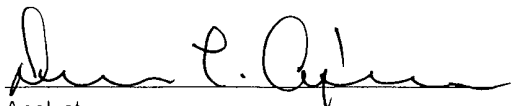
ND - Parameter not detected at the stated detection limit.

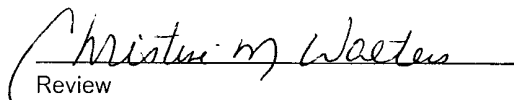
|                       |                     |                  |
|-----------------------|---------------------|------------------|
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|                       | Fluorobenzene       | 96 %             |
|                       | 1,4-difluorobenzene | 96 %             |
|                       | Bromochlorobenzene  | 96 %             |

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 Com E #161 Dehydrator Pit Grab Sample.

  
Analyst

  
Review

|                   |                                                                                       |                                                   |
|-------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|
| CLIENT: <u>BP</u> | <b>BLAGG ENGINEERING, INC.</b><br>P.O. BOX 87, BLOOMFIELD, NM 87413<br>(505) 632-1199 | LOCATION NO <u>81024</u><br>C.O.C NO <u>11642</u> |
|-------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

|                                                                                                                                                                                                                                                                             |                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| LOCATION NAME <u>GCU COM E</u> WELL #: <u>161</u> PITS: <u>SEP. &amp; DEHY</u><br>QUAD/UNIT: <u>0</u> SEC: <u>23</u> TWP: <u>29N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u><br>QTR/FOOTAGE: _____ SWISE CONTRACTOR: <u>FLINT (BEN) L &amp; L (GAS)</u> | DATE STARTED <u>1/12/04</u><br>DATE FINISHED _____<br>ENVIRONMENTAL SPECIALIST <u>NV</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

### SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE 110  
 LAND USE: RANGE LIFT DEPTH (ft): 1-3

### FIELD NOTES & REMARKS:

NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 ppm

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK FRAGMENTS  
 SOIL COLOR: \_\_\_\_\_

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (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 SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - SAMPLE PTS. ① & ⑤ CLOSED

HC ODOR DETECTED: YES / NO EXPLANATION - SAMPLE PTS. ① & ⑤

SAMPLING DEPTHS (LANDFARMS): 6-30 (INCHES)

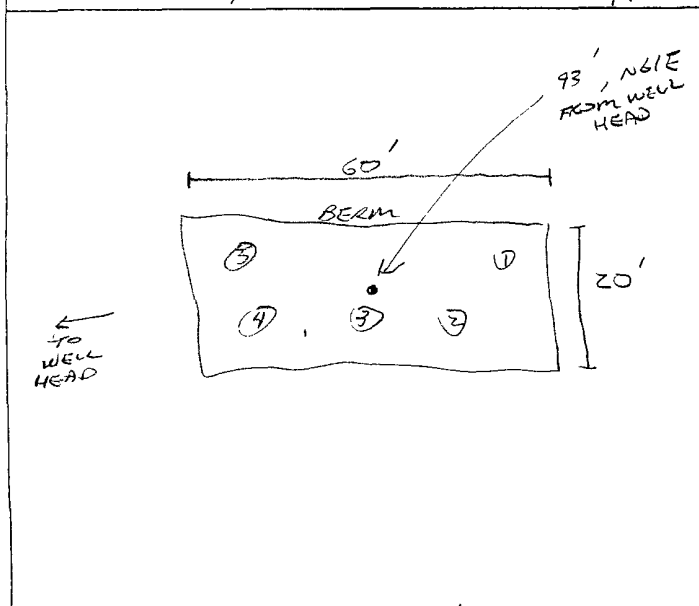
SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

ADDITIONAL COMMENTS: \_\_\_\_\_

### FIELD 418.1 CALCULATIONS

| SAMP. TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------------|-------------|---------|------------|-----------|----------|---------|-----------|
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |
|            |             |         |            |           |          |         |           |

### SKETCH/SAMPLE LOCATIONS N



OVM CALIB. READ. 53.0 ppm  
 OVM CALIB. GAS = 100 ppm; RF = 0.52  
 TIME: 12:30 am/pm DATE: 1/6/04

### OVM RESULTS

### LAB SAMPLES

| SAMPLE ID | FIELD HEADSPACE PID (ppm) | SAMPLE ID | ANALYSIS    | TIME | RESULTS |
|-----------|---------------------------|-----------|-------------|------|---------|
| LF-1      | 2.1                       | LF-1      | TPH (80158) | 1005 | 2,460   |
|           |                           |           |             |      |         |
|           |                           |           |             |      |         |
|           |                           |           |             |      |         |
|           |                           |           |             |      |         |
|           |                           |           |             |      |         |

P.C. - 7/25/02 SEP  
 4/2/03 DEHY

### SCALE



0 FT

TRAVEL NOTES: CALLOUT: N/A

ONSITE: 1/12/04

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

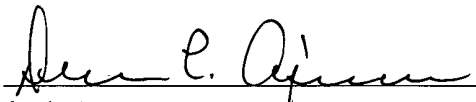
|                      |                 |                     |           |
|----------------------|-----------------|---------------------|-----------|
| Client:              | Blagg / BP      | Project #:          | 94034-010 |
| Sample ID:           | LF - 1          | Date Reported:      | 01-13-04  |
| Laboratory Number:   | 27511           | Date Sampled:       | 01-12-04  |
| Chain of Custody No: | 11642           | Date Received:      | 01-13-04  |
| Sample Matrix:       | Soil            | Date Extracted:     | 01-13-04  |
| Preservative:        | Cool            | Date Analyzed:      | 01-13-04  |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH  |

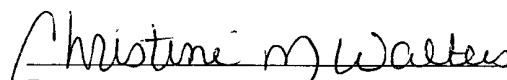
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 114                      | 0.2                      |
| Diesel Range (C10 - C28)     | 2,350                    | 0.1                      |
| Total Petroleum Hydrocarbons | 2,460                    | 0.2                      |

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 Com E #161 Landfarm 5 Pt. Composite Sample.**

  
Analyst

  
Review

District I

P.O. Box 1788, Hobbs, NM

District II

P.O. Box 1788, Hobbs, NM

District III

1000 Rio Grande Rd., Alamo, NM

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

B 1024

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200

Address: 200 ENERGY COURT, FARMINGTON, NM 87401

Facility or Well Name: GCU Com E# 161

Location: Unit or Qtr/Qtr Sec 0 Sec 23 T 29N R 13W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other ☐

Land Type: BLM X, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length NA, width NA, depth NA  
(Attach diagram)

Reference: wellhead X, other ☐

Footage from reference: 160'

Direction from reference: 0 Degrees ☒ East North ☐  
West of South ☒

Depth To Groundwater: Less than 50 feet (20 points)  
(Vertical distance from 50 feet to 99 feet (10 points)  
contaminants to seasonal Greater than 100 feet (0 points) 0  
high water elevation of  
groundwater)

Wellhead Protection Area: Yes (20 points)  
(Less than 200 feet from a private No (0 points) 0  
domestic water source, or; less than  
1000 feet from all other water sources)

Distance To Surface Water: Less than 100 feet (20 points)  
(Horizontal distance to perennial 100 feet to 1000 feet (10 points)  
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0  
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Dehy Pit B 1024

Date Remediation Started: \_\_\_\_\_

Date Completed: 4-3-03

Remediation Method:

Excavation ☒ KAG

Approx. cubic yards

NA KAG 50

(Check all appropriate sections)

Landfarmed ☒

In situ Bioremediation \_\_\_\_\_

Other CLOSE AS IS. <sup>915</sup>

Remediation Location:

Onsite ☒ Offsite \_\_\_\_\_

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

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary. <sup>915</sup>

Bedrock Bottom, Risk Assessed

Groundwater Encountered:

No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

(If multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 5' (Test hole bottom)

Sample date 4/2/03 Sample time 1135

Sample Results

Soil: Benzene (ppm) 1.230

Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) 8.300

Toluene (ppb) \_\_\_\_\_

Field Headspace (ppm) 507

Ethylbenzene (ppb) \_\_\_\_\_

TPH (ppm) 5,280

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 4/3/03 PRINTED NAME Jeffrey C. Blagg

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

# CHAIN OF CUSTODY RECORD

10700

|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|--------------------------------------------------------------------------------------------------|-------------|-------------|--------------------------------------------|---------------|------------------------------------------------|---------------|----------------|----------------|--------------|---------------------|---|----------------------------|-----|
| Client / Project Name<br><b>BLAGG /BP</b>                                                        |             |             | Project Location<br><b>GCM Corn E #161</b> |               | ANALYSIS / PARAMETERS                          |               |                |                |              |                     |   |                            |     |
| Sampler:<br><b>NTV</b>                                                                           |             |             | Client No.<br><b>94034-010</b>             |               | No. of Containers                              | TPH<br>(3015) | STEX<br>(3015) |                |              |                     |   | Remarks                    |     |
| Sample No./ Identification                                                                       | Sample Date | Sample Time | Lab Number                                 | Sample Matrix |                                                |               |                |                |              |                     |   | PRESERVED COOL GRAB SAMPLE |     |
| ① @ 5'                                                                                           | 4/2/03      | 1135        | 25270                                      | SOIL          | 1                                              | ✓             | ✓              |                |              |                     |   | DEHYDRATOR PIT             |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
|                                                                                                  |             |             |                                            |               |                                                |               |                |                |              |                     |   |                            |     |
| Relinquished by: (Signature)<br><i>Nelson Vef</i>                                                |             |             | Date<br>4/3/03                             | Time<br>0735  | Received by: (Signature)<br><i>[Signature]</i> |               |                | Date<br>4-3-03 | Time<br>0735 |                     |   |                            |     |
| Relinquished by: (Signature)                                                                     |             |             |                                            |               | Received by: (Signature)                       |               |                |                |              |                     |   |                            |     |
| Relinquished by: (Signature)                                                                     |             |             |                                            |               | Received by: (Signature)                       |               |                |                |              |                     |   |                            |     |
| <b>ENVIROTECH INC.</b><br>5796 U.S. Highway 64<br>Farming on, New Mexico 87401<br>(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:         | 04-03-TPH QA/QC    | Date Reported:      | 04-03-03 |
| Laboratory Number: | 25268              | Date Sampled:       | N/A      |
| Sample Matrix:     | Methylene Chloride | Date Received:      | N/A      |
| Preservative:      | N/A                | Date Analyzed:      | 04-03-03 |
| Condition:         | N/A                | Analysis Requested: | TPH      |

|                         | I-Cal Date | I-Cal RF    | C-Cal RF    | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 04-25-02   | 2.7355E-002 | 2.7328E-002 | 0.10%        | 0 - 15%       |
| Diesel Range C10 - C28  | 04-25-02   | 2.4557E-002 | 2.4508E-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             |

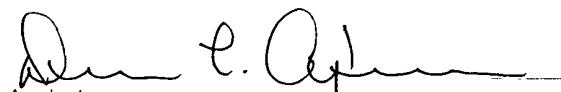
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| Gasoline Range C5 - C10 | ND     | ND        | 0.0%         | 0 - 30%       |
| Diesel Range C10 - C28  | ND     | ND        | 0.0%         | 0 - 30%       |

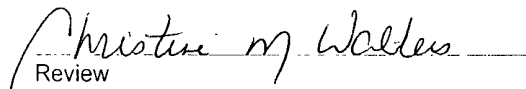
| Spike Conc. (mg/Kg)     | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND     | 250         | 250          | 100.0%     | 75 - 125%     |
| Diesel Range C10 - C28  | ND     | 250         | 250          | 100.0%     | 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 25268 - 25272.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: N/A  
Sample ID: 04-03-BTEX QA/QC  
Laboratory Number: 25270  
Sample Matrix: Soil  
Preservative: N/A  
Condition: N/A

Project #: N/A  
Date Reported: 04-03-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 04-03-03  
Analysis: BTEX

| Calibration and<br>Detection Limits (ug/L) | I-Cal RF    | C-Cal RF      | %Diff.  | Blank<br>Conc. | Detect.<br>Limit |
|--------------------------------------------|-------------|---------------|---------|----------------|------------------|
|                                            |             | Accept. Range | 0 - 15% |                |                  |
| Benzene                                    | 4.1274E-002 | 4.1398E-002   | 0.3%    | ND             | 0.2              |
| Toluene                                    | 4.8348E-002 | 4.8445E-002   | 0.2%    | ND             | 0.2              |
| Ethylbenzene                               | 7.9848E-002 | 8.0088E-002   | 0.3%    | ND             | 0.2              |
| p,m-Xylene                                 | 7.6417E-002 | 7.6647E-002   | 0.3%    | ND             | 0.2              |
| o-Xylene                                   | 7.1539E-002 | 7.1683E-002   | 0.2%    | ND             | 0.1              |

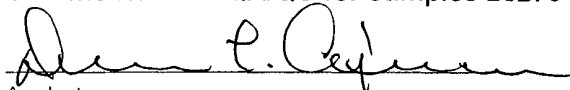
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene                 | 1,230  | 1,230     | 0.0%   | 0 - 30%      | 1.8           |
| Toluene                 | 1,320  | 1,300     | 1.5%   | 0 - 30%      | 1.7           |
| Ethylbenzene            | 1,100  | 1,080     | 1.8%   | 0 - 30%      | 1.5           |
| p,m-Xylene              | 2,970  | 2,980     | 0.3%   | 0 - 30%      | 2.2           |
| o-Xylene                | 1,670  | 1,680     | 0.6%   | 0 - 30%      | 1.0           |

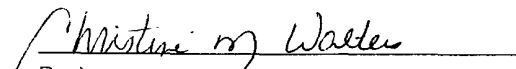
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene             | 1,230  | 50.0          | 1,270         | 99.2%      | 39 - 150     |
| Toluene             | 1,320  | 50.0          | 1,360         | 99.3%      | 46 - 148     |
| Ethylbenzene        | 1,100  | 50.0          | 1,140         | 99.1%      | 32 - 160     |
| p,m-Xylene          | 2,970  | 100           | 3,060         | 99.7%      | 46 - 148     |
| o-Xylene            | 1,670  | 50.0          | 1,710         | 99.4%      | 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 25270 - 25272.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

11642

|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
|--------------------------------------------------------------------------------------------------|----------------|-------------|----------------------------------------------------|---------------------|------------------------------------------------|----------|--|--|--|--|--|------------------------|--------------------------------|---|-----|
| Client / Project Name<br><b>BLAGG/BP</b>                                                         |                |             | Project Location<br><b>LANDFARMS<br/>GCU LEASE</b> |                     | ANALYSIS / PARAMETERS                          |          |  |  |  |  |  |                        |                                |   |     |
| Sampler:<br><b>NTV</b>                                                                           |                |             | Client No.<br><b>94034-010</b>                     |                     | No. of Containers<br><b>TPH<br/>(3059)</b>     |          |  |  |  |  |  |                        | Remarks                        |   |     |
| Sample No./ Identification                                                                       | Sample Date    | Sample Time | Lab Number                                         | Sample Matrix       |                                                |          |  |  |  |  |  |                        | <b>PRESERVED COOL</b>          |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        | <b>5 FT. COMPOSITE SAMPLES</b> |   |     |
| <b>LF-1</b>                                                                                      | <b>1/12/04</b> | <b>1005</b> | <b>27511</b>                                       | <b>SOIL</b>         | <b>1</b>                                       | <b>✓</b> |  |  |  |  |  |                        | <b>GCU COM #161</b>            |   |     |
| <b>LF-1</b>                                                                                      | <b>1/12/04</b> | <b>1510</b> | <b>27512</b>                                       | <b>SOIL</b>         | <b>1</b>                                       | <b>✓</b> |  |  |  |  |  |                        | <b>GCU #111E</b>               |   |     |
| <b>LF-1</b>                                                                                      | <b>1/12/04</b> | <b>1550</b> | <b>27513</b>                                       | <b>SOIL</b>         | <b>1</b>                                       | <b>✓</b> |  |  |  |  |  |                        | <b>GCU #152</b>                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        |                                |   |     |
| Relinquished by: (Signature)<br><b>[Signature]</b>                                               |                |             | Date<br><b>1/13/04</b>                             | Time<br><b>0721</b> | Received by: (Signature)<br><b>[Signature]</b> |          |  |  |  |  |  | Date<br><b>1-13-04</b> | Time<br><b>0721</b>            |   |     |
| Relinquished by: (Signature)                                                                     |                |             |                                                    |                     | Received by: (Signature)                       |          |  |  |  |  |  |                        |                                |   |     |
| Relinquished by: (Signature)                                                                     |                |             |                                                    |                     | Received by: (Signature)                       |          |  |  |  |  |  |                        |                                |   |     |
| <b>ENVIROTECH INC.</b><br>5796 U.S. Highway 64<br>Farmington, New Mexico 87401<br>(505) 632-0615 |                |             |                                                    |                     |                                                |          |  |  |  |  |  | Sample Receipt         |                                |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  |                        | Y                              | N | N/A |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  | Received Intact        | <b>✓</b>                       |   |     |
|                                                                                                  |                |             |                                                    |                     |                                                |          |  |  |  |  |  | Cool - Ice/Blue Ice    | <b>✓</b>                       |   |     |

# 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:         | 01-13-TPH QA/QC    | Date Reported:      | 01-13-04 |
| Laboratory Number: | 27511              | Date Sampled:       | N/A      |
| Sample Matrix:     | Methylene Chloride | Date Received:      | N/A      |
| Preservative:      | N/A                | Date Analyzed:      | 01-13-04 |
| Condition:         | N/A                | Analysis Requested: | TPH      |

|                         | I-Cal Date | I-Cal RF    | C-Cal RF    | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 04-29-03   | 1.8591E-002 | 1.8572E-002 | 0.10%        | 0 - 15%      |
| Diesel Range C10 - C28  | 04-29-03   | 1.5507E-002 | 1.5492E-002 | 0.10%        | 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             |

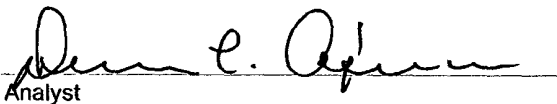
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | 114    | 114       | 0.0%         | 0 - 30%      |
| Diesel Range C10 - C28  | 2,350  | 2,340     | 0.4%         | 0 - 30%      |

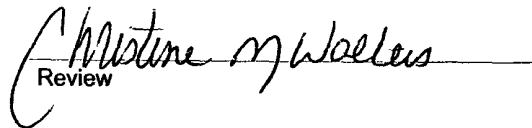
| Spike Conc. (mg/Kg)     | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | 114    | 250         | 363          | 99.8%      | 75 - 125%    |
| Diesel Range C10 - C28  | 2,350  | 250         | 2,590        | 99.6%      | 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 27511 - 27514.

  
Analyst

  
Review