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

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

Date. AUG 1 0 2007

Form C-144

June 1, 2004

#### 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 🔯 Telephone. (505)326-9200 e-mail address: Operator BP America Production Company Address 200 Energy Ct, Farmington, NM 87401 API#:30045 11648 U/L or Otr/Otr L Sec 31 TZ9 NR IZ W Facility or well name GCU # 210 County San Juan NAD 1927 🗌 1983 🔀 Latitude Surface Owner Federal State Private Indian Pit Below-grade tank Type Drilling Production Disposal Volume: bbl Type of fluid: Workover Emergency Construction material: Lined Unlined X Double-walled, with leak detection? Y , explain why not Liner type Synthetic Thickness \_\_\_\_mil Clay \_\_\_ Pit Volume \_\_\_\_\_bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water) 0 100 feet or more ( 0 points) Yes (20 points) Wellhead protection area (Less than 200 feet from a private domestic No ( 0 points) water source, or less than 1000 feet from all other water sources ) Less than 200 feet (20 points) Distance to surface water (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more ( 0 points) Ranking Score (Total Points) 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 vour are burying in place) onsite offsite. If offsite, name of facility BP's cross mesh FRIL. (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 RCVD JUN13'07 See Attached Documentation 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 X, a general permit , or an (attached) alternative OCD-approved plan ... Date 11/01/2005 Printed Name/Title Jeffrey C. Blagg, Agent 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

Japuty Oil & Gas Inspector,

District #3

Approval

Printed Name/Title

| CLIENT: BP.                       | P.O. B       | BLAGG 1<br>OX 87,<br>(50   |   | 'IELD, N  |            | 3                        |                 | D: 8256          |
|-----------------------------------|--------------|--|---|---|------------|--------------------------|-----------------|------------------|
| FIELD REPO                        | RT: (        | CLOSU  | RE V  | ERIFIC  | CATION     | J PAGE                   | No:             | 1 of 1           |
| LOCATION: NAME. G                 |              |  |   |   |            | M DATE                   | FINISHED.       | 2-22-0<br>2-26-0 |
| QTR/FOOTAGE: NW/4                 | SW/4         | CONT   | RACTOR.   | PAULX   | 50N        | ENVIRO<br>SPECIA         | NMENTAL<br>LIST | ICR              |
| EXCAVATION APPROX. 18             | 9 t FT. x    | 31± F  | T. x _21  | FT. DE  | EP CUE     | BIC YAR                  | DAGE: _         | 406              |
| DISPOSAL FACILITY:LAND USE:RANGE  |              |  |   |   |            | HOD:                     |                 | /LF              |
| FIELD NOTES & REMA                |              |  |   |   |            | FACE WATE                | :R:>            | 1000             |
| NMOCD RANKING SCORE:              |              |  |   |   |            | <u>CHE</u><br>✓ pit a    | CK DN           | <u>E</u> :       |
| SOIL AND EXCAVATI                 | ION DESC     | RIPTION:   |   |   | -          | STEEL                    | . TANK IN       |                  |
| 0-13 YELLOW ORA                   |              |  |   | , Mois).  |            | FIBER                    | GLASS TA        | NK INSTALLI      |
| 13'- 21' GRAY/GREEN               | U CLAYSTON   | UE BEDILOU   | K, Muist.   |   | . ~        | _                        |                 |                  |
| 11110 410 0001 457                | ALL ONE      | CLANSTINE  | ON All  | sideneill.  | s 🗻 BAS    | E. Pi                    | PELINE          | 5 40             |
| NORTH, Wellheads to               | South &      | west for   | event fi  | other Es  | KLAVATION  | <b>′</b> .               |                 |                  |
|                                   |              |  |   |   |            |                          |                 |                  |
| 1                                 |              |  |   |   |            |                          |                 |                  |
|                                   | )            |  |   |   |            |                          |                 |                  |
| BEDREX CLOSED                     | )            |  | , FIEL  | D 418.1 CAI   | _CULATIONS |                          | DEADING         | CALC DOM         |
| BEDROCK CLOSED,                   | TIME         | SAMPLE I.D   | , FIEL  | D 418.1 CAI   |            |                          | READING         | CALC. ppm        |
| BEDRECK CLOSED                    | )            |  | , FIEL  | D 418.1 CAI   | _CULATIONS |                          | READING         | CALC. ppm        |
| BEDREEX CLOSED  SCALE             | )            |  | , FIEL  | D 418.1 CAI   | _CULATIONS |                          | READING         | CALC. ppm        |
| SCALE  O  FT                      | TIME         |  | , FIEL  | D 418.1 CAI   | _CULATIONS | DILUTION                 |                 |                  |
| BEDREEX CLOSED  SCALE             | TIME         | SAMPLE I.D   | OVM RESULTS   | D 418.1 CAI   | _CULATIONS |                          |                 |                  |
| SCALE  O  FT                      | TIME         | SAMPLE I.D   | OVM RESULTS  FIEL  OVM  | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)                         | _CULATIONS | DILUTION                 |                 |                  |
| SCALE  O FT  PIT PERIM            | TIME         | SAMPLE I.D   | OVM RESULTS  FIELD HE PID 21 3.   | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)                         | _CULATIONS | DILUTION                 |                 |                  |
| SCALE  O FT  PIT PERIM            | TIME         | SAMPLE I.D  SAMPLE I.D  1 N.O. 2 E.O. Z. 3502                    | OVM RESULTS  FIELD HE PID 11  21  3.  O.  | D 418.1 CAI WEIGHT (g)  Construction  ADSPACE (ppm)           | _CULATIONS | DILUTION                 |                 |                  |
| SCALE  O FT  PIT PERIM            | TIME         | SAMPLE I.D  SAMPLE I.D  1 N.G. 2 E.C. I.                         | OVM RESULTS  FIEL  OVM RESULTS  FIELD HE PID  21 3.   | D 418.1 CAI WEIGHT (g)  Control  ADSPACE (ppm)  L  O  O       | _CULATIONS | DILUTION                 |                 | >                |
| SCALE  O FT  PIT PERIM            | TIME   METER | SAMPLE I.D  SAMPLE I.D  1 N @ 2 F @ 7  3 5 @ 2  4 W @ 7  5 C @ 7 | OVM RESULTS  FIELD HE PID 21 3.   | D 418.1 CAI WEIGHT (g)  Control  ADSPACE (ppm)  L  O  O       | _CULATIONS | DILUTION                 |                 | >                |
| SCALE  OFT  PIT PERIM  OFT  A 1 5 | TIME   METER | SAMPLE I.D  SAMPLE I.D  1NO. 2EO2 3502 4woz                      | OVM RESULTS  FIELD HE PID 21 3.   | D 418.1 CAI WEIGHT (g)  AUSPACE (ppm)  L  D  D  D  D  D  D  D | _CULATIONS | DILUTION                 |                 | >                |
| SCALE  OFT  PIT PERIM  OFT  A 1 5 | TIME  METER  | SAMPLE I.D  SAMPLE I.D  1 N @ 2 F @ 7  3 5 @ 2  4 W @ 7  5 C @ 7 | OVM RESULTS  FIELD HE PID 21 3.   | D 418.1 CAI WEIGHT (g)  AUSPACE (ppm)  L  D  D  D  D  D  D  D | PI'        | DILUTION                 |                 |                  |
| SCALE  OFT  PIT PERIM  A 1 5  15  | TIME  METER  | SAMPLE I.D  SAMPLE I.D  1N@. 2£@E 35@E 4w@Z 5C@Z                 | OVM RESULTS  FIEL  OVM RESULTS  FIELD HE PID  21' 3.  | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)  I O O A                | PI'        | DILUTION                 |                 | >                |
| SCALE  OFT  PIT PERIM  OFT  A 1 5 | TIME  METER  | SAMPLE I.D  SAMPLE I.D  1N@. 2E@Z  35@Z  4w@Z  5C@Z  A           | OVM RESULTS  FIELD HE PID  21 3.  1 0.  1 0.  1 0.  AB SAMPLE                                       | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)  I O O A                | PI'        | DILUTION                 |                 | >                |
| SCALE  OFT  PIT PERIM  A 1 5  15  | TIME  METER  | SAMPLE I.D  SAMPLE I.D  IN 0. 2 FO Z  350 Z  4 WO Z  5 C O Z     | OVM RESULTS  FIEL  OVM RESULTS  FIELD HE PID  21' 3.  | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)  I O O A                | PI'        | DILUTION                 | OFILE<br>7      | >                |
| SCALE  OFT  PIT PERIM  A 1 5  15  | TIME  METER  | SAMPLE I.D  SAMPLE I.D  INO 1NO 3502 4woz 5coz A                 | OVM RESULTS  FIEL  OVM RESULTS  FIELD HE PID  21' 3.  1' O.  1' O.  1' O.  AB SAMPLE  ANALYSIS  TPH | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)  D  AT  TIME            | PI'        | DILUTION  T PRO          | OFILE<br>7      | >                |
| SCALE  OFT  PIT PERIM  A 1 5 15   | TIME  METER  | SAMPLE I.D  SAMPLE I.D  INO 1NO 3502 4woz 5coz A                 | OVM RESULTS  FIEL  OVM RESULTS  FIELD HE PID  A  A  A  B  SAMPLE  ANALYSIS                          | D 418.1 CAI WEIGHT (g)  ADSPACE (ppm)  D  AT  TIME            | PI'        | DILUTION  T PRO  LAVSTOR | OFILE<br>7      | >                |



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

| Client:              | Blagg / BP        | Project #:          | 94034-010 |
|----------------------|-------------------|---------------------|-----------|
| Sample ID:           | Separator N @ 21' | Date Reported:      | 02-27-01  |
| Laboratory Number:   | 19306             | Date Sampled:       | 02-26-01  |
| Chain of Custody No: | 8526              | Date Received:      | 02-26-01  |
| Sample Matrix:       | Soil              | Date Extracted:     | 02-27-01  |
| Preservative:        | Cool              | Date Analyzed:      | 02-27-01  |
| Condition:           | Cool and Intact   | Analysis Requested: | 8015 TPH  |

| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | ND                       | 0.1                      |
| Total Petroleum Hydrocarbons | ND                       | 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 210.

Deur L. Ojeun

Review

District I
P.O Box 1980, Hobbs, NM

## State of New Mexico Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO
SANTA FE OFFICE



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

#### PIT REMEDIATION AND CLOSURE REPORT

| Operator: BP AMOCO   |   | Telephone: (505) 326-920   | 00_  |
|--|---|--|------|
| Address: 200 AMOCO   | COURT, FARMINGTON                                 | N, NM 87401  |      |
| Facility or Well Name:   | GCU #210  |  |      |
| Location: Unit or Qtr/Qtr S  | ec Sec 31   | T ZAN R 12 W County San Juan   |      |
| Pit Type: Separator I  | Dehydrator Other                                  | W  |      |
|  |   | ner  |      |
| Pit Location:<br>(Attach diagram)  | -   | 24', width 24', depth 10'  |      |
|  | Reference: wellhead X                             |  |      |
|  | Footage from reference: Direction from reference: | 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)      |      |
| Wellhead Protection Area:<br>(Less than 200 feet from a private<br>domestic water source, or; less than<br>1000 feet from all other water sources) |   | Yes (20 points) No (0 points)0_  |      |
| Distance To Surface Waters<br>(Horizontal distance to perennial<br>lakes, ponds, rivers, streams, creeks,<br>arrigation canals and ditches)        |   | Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) |      |
|  |   | RANKING SCORE (TOTAL POINTS):0_  |      |
| revised: 03/12/01  |   | bei1202  | .wpd |

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

.

BIGNATURE 3(2)01 PRINTED NA

PRINTED NAME Jeffrey C. Blagg

**President** P. E. # 11607

revised: 03/12/01

ei1200.wpd

# CHAIN OF CUSTODY RECORD

0853

| Client / Project Name     | •      |          | Project Location |              |                    |                  |                      | ٠          |                |          | MALVO  | IC / DAD | AMETED       | c           |        |          |     |
|---------------------------|--------|----------|------------------|--------------|--------------------|------------------|----------------------|------------|----------------|----------|--------|----------|--------------|-------------|--------|----------|-----|
| BLAGE/BF                  | >      |          | 600              | 210          |                    |                  |                      |            |                | <i>,</i> | ANALYS | 15 / PAH | AMETER       | S           |        |          |     |
| Sampler:                  | 10     |          | Client No.       |              |                    |                  | S                    | 1          |                |          |        |          |              | Re          | marks  |          |     |
| Sampler:                  | 499    |          | 94034            | -010         |                    | ,                | No. of<br>Containers | Ha<br>10/2 | -              |          |        |          |              |             |        |          |     |
| Sample No./               | Sample | Sample   | Lab Number       |              | Sample             |                  | žĘ                   | FR         | \$             |          |        |          | <del> </del> |             |        |          |     |
| Identification            | Date   | Time     | Lab Number       |              | Matrix             |                  |                      |            |                |          |        |          |              |             |        |          |     |
| BLOW<br>N@10              | 3/1/01 | 1255     | 19328            | 5            | 201C               |                  | 1                    | X          |                |          |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                |          |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                |          |        |          |              |             |        |          |     |
|                           |        |          |                  |              | -                  |                  |                      |            |                |          |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                |          |        | 1        |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            | -              |          |        |          |              |             |        |          |     |
| <del></del>               |        |          |                  |              |                    |                  |                      |            | -              | <u> </u> |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                | ļ        |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                |          |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                |          |        |          |              |             |        |          |     |
|                           |        |          |                  |              |                    |                  |                      |            |                |          |        |          |              |             |        |          |     |
| Relinquished by: (Signatu | re)    | <u> </u> |                  | Date         | Time               | Receive          | d by:                | (Signatu   | ıre)           | 1 (      |        |          |              |             | ate    | Tir      | me  |
| 1-C. 36                   |        |          | 3                | 1/01         | 1354               | 1                | lu                   | [          | <i>P</i> (     | Ejec     | Len    |          |              | 3/1         | /1_    | 138      | 5-4 |
| Refinquished by: (Signatu | re)/   |          |                  | ,            |                    | Receive          | ed by:               | (Signatu   | ıre)           | U        |        |          |              |             |        |          |     |
| Relinquished by: (Signatu | re)    |          |                  |              |                    | Receive          | ed by:               | (Signatu   | ıre)           |          |        |          |              |             |        |          |     |
|                           | :      |          |                  | = <b>O</b> V | IDO                | TEC              | · LI                 | 10         | $\overline{C}$ |          |        |          |              | Sample R    | eceipt | <u> </u> |     |
|                           | 1      |          |                  | _            | IRO                |                  |                      | 11 11      |                |          |        |          |              | •           | Υ      | N        | N/A |
|                           | ,      |          | •                |              | 5796 U.S           |                  |                      |            |                |          |        |          | Recei        | ved Intact  |        | _        |     |
|                           |        |          |                  | Farm         | ington, N<br>(505) | lew Me<br>632-06 |                      | 8740       | 1              |          |        |          | <del></del>  | ce/Blue Ice | ~      | _        |     |



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

#### **Quality Assurance Report**

| Client:  | QA/QC  |   | Project #:               |                                | N/A           |
|--|--|---|--------------------------|--------------------------------|---------------|
| Sample ID:   | 03-02-TPH QA                                     | VQC                                     | Date Reported:           |                                | 03-02-01      |
| Laboratory Number:   | 19328  |   | Date Sampled:            |                                | N/A           |
| Sample Matrix:   | Methylene Chlor                                  | ride                                    | Date Received:           |                                | N/A           |
| Preservative:  | N/A  |   | Date Analyzed:           |                                | 03-02-01      |
| Condition:   | N/A  |   | Analysis Reques          | ted:                           | TPH           |
| / 0 77.2 / 19 / 28 \ 2. \ \ 28 \ 28  | 25 4250 -250 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | the state with read the same as         | N 7947                   |                                |               |
|  | /I-Cal Date                                      | - I-Cal RF:                             | C-Cal RF:                | % Difference                   | Accept. Range |
| Gasoline Range C5 - C10  | 12-20-00   | 2.3465E-002                             | 2.3441E-002              | 0.10%                          | 0 - 15%       |
| Diesel Range C10 - C28   | 12-20-00   | 5.3110E-003                             | 5.3004E-003              | 0.20%                          | 0 - 15%       |
| CONTRACTOR AND A CONTRACTOR OF | وسروان المعيابة وسور                             | · / · / · · · · · · · · · · · · · · · · | and write in any a first | energy of the same of the same | ga.           |
| ҈Blank Conc. (mg/L - mg/Kg   |  | Concentration                           |                          | Detection Lim                  | įt.           |
| 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 S   | Duplicate                               | % Difference             | Accept: Range                  |               |
| Gasoline Range C5 - C10  | ND   | ND                                      | 0.0%                     | 0 - 30%                        | * *           |
| Diesel Range C10 - C28   | 1.1  | 1.1                                     | 0.0%                     | 0 - 30%                        |               |
| Spike Conc. (mg/Kg)  | Sample   | Spike Added                             | Spike Result             | % Recovery                     | Accept. Range |
| Gasoline Range C5 - C10  | ND   | 250                                     | 250                      | 100%                           | 75 - 125%     |
| Diesel Range C10 - C28   | 1.1  | 250                                     | 251                      | 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 sample 19328.

en L. Celece ( Mistri m Walter Review

District I
P O. Box 1980, Hobbs, NM
District II

#### **State of New Mexico**

Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE



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

#### PIT REMEDIATION AND CLOSURE REPORT

| Operator: BP AMOCO  |                             | Т   | Telephone: (505) 326-9200                  |
|---|-----------------------------|---|--|
| Address:200 AMOCO   | COURT, FARMINGTON           | N, NM 87401   |  |
| Facility or Well Name:  | Gcy # 210                   |   |  |
| Location: Unit or Qtr/Qtr Se  | c Sec_ 31                   | T 29N R 12W Count   | y San Juan                                 |
| Pit Type: Separator De  | ehydrator Other             |   |  |
| Land Type: BLM, S   | State, Fee, Oth             | ner   |  |
| (Attach diagram)  | G                           | ाह <sup>1</sup> _, width_ उ। <sup>1</sup>                             | _, depth_Z\ <sup>1</sup>                   |
|   | Reference: wellhead X       | ,   |  |
|   | Footage from reference:     | ,   | T  |
|   | Direction from reference: _ | 79 Degrees  | East North<br>of South                     |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)                               |                             | Less than 50 feet<br>50 feet to 99 feet<br>Greater than 100 feet      | (20 points)<br>(10 points)<br>( 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<br>No   | (20 points)<br>( 0 points)0                |
| Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)        | <del></del>                 | Less than 100 feet<br>100 feet to 1000 feet<br>Greater than 1000 feet | (20-points)<br>(10 points)<br>( 0 points)0 |
|   |                             | RANKING SCORE (TOT  | AL POINTS):0_                              |
| revised: 03/12/01   |                             |   | bei1202 wpd                                |

| Date Remediation Started:   |                                   | Date Completed:                       | 2/27/01           |
|---|-----------------------------------|---------------------------------------|-------------------|
| Remediation Method:   | Excavation                        | Approx. cubic yards                   | 400               |
| heck all appropriate sections)  | Landfarmed                        | Insitu Bioremediation                 |                   |
|   | Other Composted                   |                                       |                   |
| Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) | Onsite Offsite                    | BBF CRONEH MESE                       | FACILITY          |
|   | nedial Action: <u>Excavation.</u> | BEDROCK BOTTOM.                       |                   |
|   |                                   |                                       |                   |
| Groundwater Encountered:  | No Yes                            | Depth                                 |                   |
| Final Pit: osure Sampling: (if multiple samples,                                      | Sample location see               | Attached Documents                    |                   |
| attach sample results<br>and diagram of sample  | Sample depth                      | (WRTH SIDEWALL)                       |                   |
| locations and depths)   | Sample date 2/26                  | Sample time                           | 1215              |
|   | Sample Results                    |                                       |                   |
|   | Soil: Benzene (ppm)               | Water: Benzene                        | (ppb)             |
|   | Total BTEX (ppm)                  | Toluene                               | (ppb)             |
|   | Field Headspace (ppm)             | 3.\ Ethylbenzene                      | (ppb)             |
|   | TPH (ppm)                         | <u>⊳</u> Total Xylenes                | (ppb)             |
| Groundwater Sample:   | Yes No                            | (If yes, attach s                     | ample results)    |
| I HEREBY CERTIFY THAT<br>KNOWLEDGE AND BELIE  |                                   | E IS TRUE AND COMPLETE 1              | TO THE BEST OF MY |
| _ 1   |                                   | · · · · · · · · · · · · · · · · · · · |                   |
| DATE 2/2  |                                   | D NAMEJeffrey C. Bl                   |                   |
| GNATURE   | 7 C- 63699 AND TIT                | TLE <u>President I</u>                | P. E. # 11607     |
| revised: 03/12/01   |                                   |                                       | bei1200.wpd       |

## CHAIN OF CUSTODY RECORD



| Client / Project Name      | 1           |                | Project Location | -        |                       |          |                      |             |            |     | NALVO    | 0 / 040  |        | 10           |         |    |     |
|----------------------------|-------------|----------------|------------------|----------|-----------------------|----------|----------------------|-------------|------------|-----|----------|----------|--------|--------------|---------|----|-----|
| BLAGE/BE                   | ?           |                | GCU              | 21       | 0                     |          |                      |             |            | A   | MALYS    | 5 / PAH  | AMETEF | 15           |         |    |     |
| Sampler:                   |             |                | Client No.       |          |                       |          | ø                    |             |            |     |          |          |        | R            | emarks  | 3  |     |
| BLAGG/BASampler:           | lagg        |                | 0403             | 54-010   |                       |          | No. of<br>Containers | ZZ          |            |     |          |          |        |              |         |    |     |
| Sample No./                | Sample Date | Sample<br>Time | Lab Number       |          | Sample<br>Matrix      |          | Cont                 |             |            |     |          |          |        |              |         |    |     |
| SEPARATUR                  |             | 17.            |                  | <        | - 011                 |          | 1                    | <b>&gt;</b> |            |     |          |          |        |              |         |    |     |
| N@ZI'                      | 2/2/0/01    | 1215           | 19306            |          | SOIL                  |          |                      | -           |            |     |          |          |        |              |         | _  |     |
|                            |             |                | ••               |          |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            |             |                |                  |          |                       |          |                      |             |            |     | !        |          |        |              |         |    |     |
|                            |             |                |                  |          |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            | !           | <del> </del>   |                  |          |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            | i           |                |                  |          |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            |             |                |                  |          | ·                     |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            | !           |                |                  |          |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            |             |                |                  |          | <del></del>           |          | •••                  |             |            |     |          |          |        |              |         |    |     |
|                            | <i>\\</i>   |                |                  |          |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            |             |                |                  | <u> </u> |                       |          |                      |             |            |     |          |          |        |              |         |    |     |
|                            |             |                |                  |          |                       |          |                      |             |            |     |          | <u> </u> |        |              |         |    |     |
| Relinquished by: (Signatu  |             |                |                  | Date     | Time                  | Receive  | ed by:               | (Signatu    | re)        | Դ.  |          |          |        |              | Date    |    | me  |
| J-C. Be                    |             |                | 2/               | 26/01    | 1318                  | Ale      | سد                   |             | . ( )      | plu | ے۔       |          |        | 21           | 126/4   | 13 | 78  |
| Relinquished by: (Signatu  | re)         |                |                  |          |                       | Receive  | ed by:               | (Signatu    | re) /      | ,   |          |          |        |              |         |    |     |
| Relinquished by: (Signatu  | ;<br>       |                |                  | -        |                       | Pacaive  | ed by:               | (Signatu    | re\        |     |          |          |        |              |         |    |     |
| Heilinduished by. (Signatu |             |                |                  |          |                       | T ICCCIV | cu by.               | (Oigiliata  | ,          |     |          |          |        |              |         |    |     |
|                            | 1           |                |                  |          |                       | TEC      | <u> </u>             | 10/         | _          |     | <u>-</u> |          |        | Sample F     | Receipt | 1  |     |
|                            | :           |                |                  |          | IRO                   |          | <u>ノロ</u>            | 11 11       | <u>⊿</u> . |     |          |          |        | Cumpion      | T       | T  |     |
|                            |             |                |                  |          | 700 110               | 11:      |                      | 2.4         |            |     |          |          |        |              | Y       | N  | N/A |
|                            |             |                |                  |          | 5796 U.S<br>ington, N |          |                      |             | I          |     |          |          | Rece   | ived Intact  | <u></u> |    | ł   |
|                            |             |                |                  | , ann    |                       | 632-0    |                      | 5. 10       | -          |     |          |          | Cool - | lce/Blue Ice | -       |    |     |



# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

| Client:  | QA/QC                  |                                      | Project #:                                   |  | N/A                                |
|--|------------------------|--------------------------------------|--|--|------------------------------------|
| Sample ID:   | 02-27-TPH QA/          | 'QC                                  | Date Reported:                               |  | 02-27-01                           |
| Laboratory Number:   | 19306                  |                                      | Date Sampled:                                |  | N/A                                |
| Sample Matrix:   | Methylene Chlorid      | de                                   | Date Received:                               |  | N/A                                |
| Preservative:  | N/A                    |                                      | Date Analyzed:                               |  | 02-27-01                           |
| Condition:   | N/A                    |                                      | Analysis Reque                               | sted:  | TPH                                |
| Gasoline Range C5 - C10<br>Diesel Range C10 - C28  | 12-20-00<br>12-20-00   | 2.3465E-002                          | 2.3441E-002                                  | 0.10%<br>0.20%   | Accept Range<br>0 - 15%<br>0 - 15% |
|  |                        |                                      |  |  |                                    |
| Blank Conc. (mg/L - mg/Kg)<br>Gasoline Range C5 - C10  |                        | Goncentrațion<br>ND                  | A COMPA                                      | Detection Limit  |                                    |
|  |                        |                                      |  | , ,  | É                                  |
| Gasoline Range C5 - C10  |                        | ND                                   |  | 0.2  |                                    |
| Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/Kg) Gasoline Range C5 - C10   | Sample ND              | ND<br>ND<br>ND<br>Duplicate A        | % Difference<br>0.0%                         | 0.2<br>0.1<br>0.2<br>Accept. Range<br>0 - 30%            |                                    |
| Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/Kg)   | Sample (**)            | ND<br>ND<br>ND                       | % Difference                                 | 0.2<br>0.1<br>0.2<br>Accept. Range                       |                                    |
| Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/Kg) Gasoline Range C5 - C10 Diesel Range C10 - C28  Spike Conc. (mg/Kg) | Sample  ND  ND  Sample | ND ND Duplicate ND ND ND             | % Difference<br>0.0%<br>0.0%<br>Spike Result | 0.2<br>0.1<br>0.2<br>Accept. Range<br>0 - 30%<br>0 - 30% | Áccept. Ránge                      |
| Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/Kg) Gasoline Range C5 - C10 Diesel Range C10 - C28                      | Şample ND<br>ND        | ND<br>ND<br>ND<br>Duplicate ND<br>ND | % Difference<br>0.0%<br>0.0%                 | 0.2<br>0.1<br>0.2<br>Accept. Range<br>0 - 30%<br>0 - 30% |                                    |

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 sample 19306.

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