JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE DEPOTY OIL & GAS INSPECTOR P.O. BOX 507 P.O. BOX 507

NATURAL RESOURCE DEPT

SUBMIT 1 COPY TO

AND OIL & GAS ADMINISTRATION

OCT 0 8 1999

DULCE, NEW MEXICO 87528

Blow-risk-bedrack PIT REMEDIATION AND CLOSURE REPORT

| Operator: AMOCO PRODUCTION COMPANY | Telephone: (505)326-9200 |
|--|--|
| Address: 200 Amoco Court, Farmington, NM | |
| Facility or Well Name: JICARILLA CONTRACT | |
| Location: Unit or Qtr/Qtr Sec H Sec 13 TZS | · · |
| Pit Type: Separator Dehydrator Other | ్టు |
| Land Type:RANGE | |
| (Attach diagram) | her |
| Footage from reference: 180' | |
| Direction from reference: | |
| | West South X |
| Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater) Distance to an Ephemeral Stream DECETIVE AU6 2 4 1999 AU6 2 4 1999 DISTA 3 | Less than 50 feet (20 points) 30 feet to 99 feet (10 points) Greater than 100 feet (0 points) |
| Distance to an Ephemeral Stream (DISTIO 3) (Downgradient dry wash greater than ten feet in width) | Less than 100 feet (10 points) Greater than 100 feet (0 points) |
| Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds) | Less than 100 feet (10 points) Greater than 100 feet (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) |
| Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, ir ration canals and ditches) | Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points) |
| D. | ANKING SCORE (TOTAL POINTS): |

5J540 BLOW PIT

| Late Remodiation St. | arted: | Date Compl | eted: | 4/13/98 |
|--|---|---------------------|---------------|-----------------|
| P diation Method: | \checkmark | Approx. cubic | | |
| (k all appropriate | Landfarmed | | | |
| secuous) | | | | |
| | Other | |))} | TICANIUA |
| Remediation Location (i.e. landfarmed onsite, | : Onsite <u>×</u> Offsite | CONTAINS 30 | | <u> </u> |
| name and location of offsite facility) | • | T PORTING | 10 10 | |
| | of Remedial Action: _Exca | vation. ENTIRE Ex | CAUATION . | CONSIST OF |
| | THEREFORE NO TPH ANALY | | | |
| Groundwater Encoun | | Yes Depth | | |
| Final Pit: Closure Sampling: (if multiple samples, | Sample location see Att | | | |
| attach sample results and diagram of sample | Sample depth/ | (PT BOTTOM) | | |
| locations and depths) | Sample date 4/13/98 | | time | 5 |
| | Sample Results | | | |
| | • | pm) Wate | r: Benzene | (ppb) |
| | | ppm) | Toluene | (ppb) |
| | Field Headspace (p | - | Ethylbenzer | ne (ppb) |
| | • | pm) | Total Xylene | |
| | TPH (p | | Loui zijioli | 41. / |
| Groundwater Sample | : Yes No _> | (If yes, attach san | iple results) | |
| I HEREBY CERTIFY KNOWLEGE AND B | THAT THE INFORMATION ELIEF | ABOVE IS TRUE AND | COMPLETE T | THE BEST OF MY |
| DATE | 4/13/98 PRIN | TED NAME Buddy D | . Shaw | |
| SIGNATURE BLO | | | mental Coc | ordinator |
| ABTED DEVIEW OF | THE PIT CLOSURE INFORMATION APACHE TRIBE PIT CLOS | MATION, PIT CLOSURE | IS APPROVE | D IN ACCORDANCE |
| APPROVED: YES 之 | × NO (REASON) _ | | | |
| SIGNED: | Manl | DATE: 4-29-98 | | |

| CLIENT: AMOCO | | |
|---|--|---|
| P.0. | BLAGG ENGINEERING, BOX 87, BLOOMFIELD, N (505) 632-1199 | INC. IM 87413 LOCATION NO: 8754 C.O.C. NO: |
| FIELD REPORT: | | CATION PAGE NO: _/ of _ |
| LOCATION: NAME. JICA, CONTR. | 148 WELL #: 11 PIT: BL 250 RNG: SW PM: WM CNTS CONTRACTOR: PAS | DATE STARTED: 4//3/98 |
| EXCAVATION APPROX LS _ F | T. x <u>25</u> FT. x <u>l</u> FT. DI | ION METHOD: LANDFRIMED |
| LAND USE: RANGE | LEASE: | FORMATION: PC 180 FT. 512 FROM WELLH |
| DEPTH TO GROUNDWATER: >100' N NMOCD RANKING SCOPE: N SOIL AND EXCAVATION DE | MEAREST WATER SDURCE: | NEAREST SURFACE WATER: CHECK ONE: ✓ PIT ABANDONED — STEEL TANK INSTALLED — FIBERGLASS TANK INSTAL |
| ENTIRE CLOSED | CICLE 4181 (| |
| BEDROCK | TOWER TO LAD ME WEIGHT / | ALCULATIONS TO DILUTION READING CALC. P |
| SCALE //3 | ME SAMPLE I.D. LAB No: WEIGHT (| alculations g) mL. FREON DILUTION READING CALC. p |
| SCALE //3 | ME SAMPLE I.D. LAB NO: WEIGHT (| mL. FREON DILUTION READING CALC. P |
| SCALE //3 | ME SAMPLE I.D. LAB NO: WEIGHT (| PIT PROFILE APPLOBLE |

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPI

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

| Operator: AMOCO PRODUCTION CO | MPANY | Telephone: (505) 326-9200 |
|---|-----------------|--|
| Address: 200 Amoco Court, F | Farmington, | NM 87401 |
| Facility or Well Name: \(\sum_{\text{ICAPILLA}} | CONTRACT 14 | 3 - 11 |
| Location: Unit or Qtr/Qtr Sec_H | | |
| Land Type: RANGE | _ | |
| | 2 | Data Completed: 1:19 99 |
| | 3 | Date Completed: |
| Remediation Method: Landfarmed _ | <u> </u> | Approx. cubic yards <u>655</u> |
| Composted _ | | |
| Other | | |
| | | Final Closure Sampling: |
| | (pts.) <u>o</u> | 1000 |
| Distance to an Ephemeral Stream (| (pts.) <u>6</u> | Sampling Date: 113.99 Time: 1230 |
| Distance to Nearest Lake, Playa, | pts.) | Sample Results: |
| 0 | • . — | Field Headspace (ppm) 0.0 |
| Wellhead Protection Area: (| (pts.) <u>6</u> | TPH (ppm) 252 Method 8015 |
| Distance To SurfaceWater: | (pts.) <u>0</u> | Other MULTIPLE SAMPLES . SEE ATTACHED |
| RANKING SCORE (TOTAL POINTS | S): 0 | FORM |
| I HEREBY CERTIFY THAT THE INFORM KNOWLEGE AND BELIEF | M.\TION ABOVE | E IS TRUE AND COMPLETE TO THE BEST OF MY |
| DATE ///9/99 | . PRINTED N | IAME Buddy D. Shaw |
| DATE ///9/99 SIGNATURE By Doy A | 704/ | AND TITLE Environmental Coordinator |
| ` | | |
| ACCORDANCE TO THE JICARILLA AP | ACRE INDETE | |
| APPROVED: YES NO (F | REASON) | |
| SIGNED: | DATE | 3-31-79 |

BLAGG ENGINEERING, INC. CLIENT: _AMOCO LOCATION NO: BJ540 P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. NO: 6546 (505) 632-1199 LANDFARM/COMPOST PILE CLOSURE VERIFICATION FIELD REPORT: DATE STARTED: 1.1349 LOCATION: NAME: JEARINA CONTRACT 148 WELL #:)1 PITS: BLOW DATE FINISHED: 1 19 99 QUAD/UNIT: H SEC: 13 TWP: 25N RNG: 5W PM: NM CNTY: RA ST.NM ENVIRONMENTAL REP SPECIALIST: _ CONTRACTOR: P+5 OTP/FOOTAGE: SE/4 NE/4 SOIL REMEDIATION: APPROX. CUBIC YARDAGE: 655 REMEDIATION SYSTEM: LANDFARM LIFT DEPTH (ft): 1 · 2 LAND USE: LANGE FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 21000' NEAREST SURFACE WATER: 71000' NMOCH RANKING SCORE: __O NMOCD TPH CLOSURE STD: , 5000 PPM DK YELLOWISH BROWN CLAYEY SAND CONESIVE, SLIGHTLY MOIST, FIRM NO APPARENT STAINING OBSERVED, OR HE ODOR DETECTED, SAMPLING DEPTHS RANGE FROM 6"- 18" TOOK A SPT. COMPUSITE SAMPLE FROM EACH LANDFARM AREA FOR LAB. ANALYSIS APPROX. 650 C.Y. DEPOSED 148-40 FROM CLOSED FIELD 418.1 CALCULATIONS |WEIGHT (g) |mL. FREON | DILUTION | READING | CALC. ppm LAB No: SAMP. TIME SAMPLE LD SKETCH/SAMPLE LOCATIONS 0 LANDFARM AREA # 2 LAB SAMPLES OVM RESULTS 40' N 850E RESULTS FIELD HEADSPACE PID (ppm) SAMPLE ID ANALYSIS LANDFARM SAMPLE AREA# 1 (BO15) 1200 82 114 LF.1 0.0 LF. 1 1230 252 0.0 LE 2 Ø 15 2 3

SCALE

FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 1 13 99

105'



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition: | Blagg / AMOCO LF - 1 E522 6546 Soil Cool | Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested: | 04034-10 01-19-99 01-13-99 01-15-99 01-15-99 01-19-99 8015 TPH |
|--|---|---|--|
|--|---|---|--|

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 3.1 | 0.2 |
| Diesel Range (C10 - C28) | 111 | 0.1 |
| Total Petroleum Hydrocarbons | 114 | 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:

Jicarilla Contract 148 - 11 Landfarm. 5 Pt. Composite.

Men L. agreen

Stacy W Sendler



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| | | 248 | 0.1 |
|--|---|---|--|
| Gasoline Range (C5 - C1 | 0) | 3.9 | 0.2 |
| Parameter | | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
| Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition: | Blagg / AMOCO LF - 2 E523 6546 Soil Cool | Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested: | 04034-10 01-19-99 01-13-99 01-15-99 01-15-99 01-19-99 8015 TPH |

ND - Parameter not detected at the stated detection limit.

Total Petroleum Hydrocarbons

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

252

SW-846, USEPA, December 1996.

Comments:

Jicarilla Contract 148 - 11 Landfarm. 5 Pt. Composite.

Analyst

Stacy W sendler

0.2

CHAIN OF CUSTODY RECORD

| BLACK/AMOCO | 8 | | Figer Cocalion Printer I | Froject Location CHANTEDAYT 144-11 | | | ANALYSIS / | ANALYSIS / PARAMETERS | | |
|------------------------------|----------------|--------|--------------------------|------------------------------------|--------------------------|--------------------------|------------|-----------------------|----------------------|--------|
| Sampler: | | | Client No. | į | | | | Re | Remarks | |
| REP | | | 01-15040 | 4-10 | o. of ainer | 4 | | | | |
| Sample No./ | Sample Date | Sample | Lab Number | Sample | | TPI 801 | | | | |
| | 1.1399 | 1200 | T<20 | 5011 | - | 7 | | SPT. COI | COMPOSITE | ιη |
| | | | | | | | | | | |
| LF-2 | 1.13.49 | 1230 | E533 | 2011 | 1 | 7 | | SPT. con | CONPOSITE | (II) |
| | | | | | | | | | | |
| | | | | | | | | SAMPLES PRESERVE | Press | EN/E |
| | | | | | | | | 2001 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Relinquished by: (Signature) | e) | | | Time | Received by: (Signature) | (Signature) | <i>S</i> | | | , Time |
| Relinquished by: (Signatur | e) | | | C100 11 Cl. 1 | ecewed by | Received by: (Signature) | Henry | | 1./1.7/ | 6/. |
| Helinquished by: (Signature) | <u>e</u> | | | | чесетией ру | (Signature) | | | | |
| Relinquished by: (Signature) | e) | | | | Received by | Received by: (Signature) | | | - | |
| spacis 6 | (141-121) | 3 | | ENVIROTECH IN | EC+ | | | Sample Receipt | Receipt | |
| | | | _ | 5796 U.S. Highway 64 | Highway | 64 | • | Received Intact | $\vdash \lor \vdash$ | |
| | | | | (505) 632-0615 | (505) 632-0615 | 00/401 | | Cool - Ice/Blue Ice | 7 | |
| | | | | | | | | | - | |