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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

Apply .

PIT REMEDIATION AND CLOSURE REPORT

| Operator: CONOCO, INC. | Talanhaman (505) 324 5884 | | | |
|---|--|--|--|--|
| | Telephone: (505) 324-5884 | | | |
| Address: 3315 Bloomfield Hwy., Farmir | | | | |
| Facility or Well Name: NE HAYNES | No. 7E | | | |
| Location: Unit or Qtr/Qtr Sec_ Sec_ 10 T 24N R 5W County RIC ARRIBA | | | | |
| Pit Type: Separator Dehydrator_X Other_ | | | | |
| Land Type: RANGE | | | | |
| | /5 , width 18 , depth 13 | | | |
| (Attach diagram) Reference: wellhead X | | | | |
| Footage from reference: / | 32 | | | |
| Direction from reference: _ | 16 Degrees X East North | | | |
| | of West South X | | | |
| 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) | | | |
| Distance to an Ephemeral Stream (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 Pone (Downgradient lakes, playas and livestock or wildlife watering ponds) | d 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, irrigation 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): | | | |

| Date Remediation Sta | rted: 10-18-98 Date Completed: 10-20-98 |
|--|--|
| Remediation Method: | Excavation X Approx. cubic yards 100 |
| (Check all appropriate sections) | Landfarmed Insitu Bioremediation |
| | Other STOCKPILE |
| Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) | |
| General Description of | of Remedial Action: Excavation |
| Groundwater Encount | ered: No Yes Depth |
| Final Pit: Closure Sampling: (if multiple samples, | Sample location see Attached Documents |
| attach sample results and diagram of sample | Sample depth 13 |
| locations and depths) | Sample date 10-20-98 Sample time 1015 |
| | Sample Results |
| | Soil: Benzene (ppm) Water: Benzene (ppb) |
| | Total BTEX (ppin) Toluene (ppb) |
| | Field Headspace (ppm) 0.5 Ethylbenzene (ppb) |
| | TPH (ppm) Total Xylenes (ppb) |
| Groundwater Sample: | Yes No (If yes, attach sample results) |
| KNOWLEGE AND BI | |
| DATE | PRINTED NAME Jeffrey C. Blagg, P.E. 11607 Cy C. Slogg AND TITLE President |
| SIGNATURE Jef | Ly C. Slogg AND TITLE President |
| AFTER REVIEW OF TO THE JICARILLA | THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE APACHE TRIBE PIT CLOSURE ORDINANCE. |
| APPROVED: YES | NO (REASON) |
| SIGNED: Lem | C Man Date: 12-28-98 |

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| FIELD REPORT: CLOSURE VERIFICATION PAGE NO: 1 of 1 LOCATION: NAME NE HAYNES WELL #: 7E PIT: DE HY QUAD/UNIT J SEC 10 TWP 24N RNG SW PM NM CNTY RA ST: NM QTP/FESTAGE CONTRACTOR: JVJ ENVIRONMENTAL JCB EXCAVATION APPROX. 15 FT x 18 FT x 13 FT. DEEP. CUBIC YARDAGE: 100 |
|--|
| QUAD/UNIT J SEC 10 TWP 29N RNG SW PM NM CNTY RA ST: NM QTP/FEGTAGE CONTRACTOR: J J ENVIRONMENTAL JCB ENVI |
| EXCAVATION APPROX15_ FT. x _18_ FT. x _13_ FT. DEEP. CUBIC YARDAGE: _/OO_ |
| |
| DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: STOCKILE LAND USE: REMEDIATION METHOD: STOCKILE LEASE: JUDIAN GNITACT 36 FORMATION: MV FIELD NOTES & PEMARKS: PIT LOCATED APPROXIMATELY 132 FT 516 FROM WELLHEAD LEPTH TO GROUND ATER 250' NEAREST WATER SOURCE: 21000 NEAREST SUFFACE WATER: 21000 NMOOD PANKING DOORE 10 NMOOD TPH CLOSURE STD: 1,000 PPM DOIL ATD E-LAVATION DESCRIPTION: Groups to Dark yellow arence could— Dry to Dark yellow arence could— TO DOOR SITE TANK INSTALLED FIBERGLASS TANK INSTALLED NO OLOR SITE STANK INSTALLED |
| FIELD 4181 CALCULATIONS SCALE TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FRECH DILUTION READING CALC. HPM |
| SCALE SAMPLE ID DAB NO. WE GIT (g) IT. LEX ELECTRIC SAMPLE ID. SCALE SCALE |
| |
| OVM OVM PIT PERIMETER RESULTS PIT PROFILE |
| SAMPLE FIELD MEADSPACE PIC (UPP). ING 13' ND E g J' Q.5 35 g J ND 4 10 J C.5 51 J C.5 A LAB SAMPLES MAINTE ANALYSIS TIME |

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Sample ID:

5CB @ 13'

Laboratory Number:

Project Location:

Conoco

Northeast Haynes #7E

TPH-2059

Project #:

Date Analyzed:

Date Reported:

10-20-98 10-20-98

Sample Matrix:

Soil

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|------------------------|---------------|---------------------------|
| | | |
| Total Recoverable | | |
| Petroleum Hydrocarbons | ND | 20 |

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

236

Duplicate TPH mg/kg

% *Diff.

220

7.02

*Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Dehydrator Pit - CA668

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P.O. Box 87. Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Sample ID:

Client:

Project Location: Laboratory Number: Conoco

5CB @ 13' Northeast Haynes #7E TPH-2059

Project #:

Date Analyzed: 10-20-98 Date Reported: 10-20-98 Sample Matrix: Soil

Sample Weight: Volume Freon:

Dilution Factor: TPH Reading:

5.00 grams 20.00 mL

> 1 (unitless) 5 mg/kg

TPH Result: 20.0 mg/kg Reported TPH Result: 20 mg/kg **Actual Detection Limit:** 20.0 mg/kg Reported Detection Limit: 20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff. ---

236

220

7.02

Comments:

*****************Max Characters************

Comments:

Dehydrator Pit - CA668

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SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

| Operator: Conoco, Inc Telephone: (505) 324-5884 | _ |
|--|----------|
| Address: 3315 Bloomfield Hwy., Farmington, NM 87401 | |
| Facility or Well Name: NORTHEAST HAYNES # 7E | |
| Location: Unit or Qtr/Qtr Sec 7 Sec 10 T 24 R SW County RIO ARRIBA | |
| Land Type: RANCE | |
| Date Remediation Started: 10/19/98 Date Completed: 10/20/98 Remediation Method: Landfarmed Approx. cubic yards 100 Composted | |
| Other STOCKPILE | |
| Depth To Groundwater: (pts.) 10 Final Closure Sampling: | , |
| Distance to an Ephemeral Stream (pts.) o Sampling Date: 10/20/98 Time: 10/5 | |
| Distance to Nearest Lake, Playa, or Watering Pond (pts.) | <u> </u> |
| I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY | |
| KNOWLEGE AND BELIEF DATE /0/20/98 PRINTED NAME Jeffrey C. Blagg, P.E. #11607 SIGNATURE AND TITLE President | |
| AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE. APPROVED: YES X NO (REASON) Use Cos Rock (Manual Cost) BIGNED: 12-28-78 | |
| SIGNED: | |

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Conoco

Sample ID:

SP - 1

Project #:

Date Analyzed:

10-20-98

7.02

Project Location:

Northeast Haynes #7E

Date Reported:

10-20-98

Laboratory Number:

TPH-2060

Sample Matrix:

Soil

| Parameter | Result, mg/kg | Detection Limit, mg/kg |
|------------------------|---------------|---------------------------|
| | | |
| Total Recoverable | | |
| Petroleum Hydrocarbons | 24 | 20 |

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample Duplicate % TPH mg/kg TPH mg/kg *Diff.

220

236

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Stockpile derived from dehydrator pit - CA668

5 pt. composite sample

Analyst J

Review

^{*}Administrative Acceptance limits set at 30%.

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Field TPH-Worksheet

Max Characters:

Conoco

Client:

Sample ID:

SP - 1

Project #: Date Analyzed:

Project Location:

Northeast Haynes #7E

10-20-98 Date Reported: 10-20-98

Laboratory Number:

TPH-2060

Sample Matrix:

Soil

Sample Weight: Volume Freon:

5.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading: 6 mg/kg

24.0 mg/kg

TPH Result: Reported TPH Result: **Actual Detection Limit:**

24 mg/kg 20.0 mg/kg

Reported Detection Limit: 20 mg/kg

QA/QC:

Original TPH mg/kg -----

Duplicate TPH mg/kg

% Diff.

236

220

---7.02

Comments:

Comments:

Stockpile derived from dehydrator pit - CA668

5 pt. composite sample