MISSION VALLEY / ROCK COMPANY
ASPHALT COMPANY
READY MIX COMPANY

7999 ATHENOUR WAY SUNOL, CA 94586 (925) 862-2257

October 12, 1999



Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502-6577

Dear Mr. Seery:

Submitted herewith is the first quarter prepared by Mission Valley Rock Company's consultant, Tank Protect Engineering. If you require further information or clarification please direct your correspondence to Tank Protect with a copy to Mission Valley Rock Company at the above address.

Thank You,
MISSION VALLEY ROCK CO.

W.M. Calvert

TANK PROTECT ENGINEERING
of Northern California, Inc.

September 22, 1999

Mr. Mort Calvert
Mission Valley Rock
799 Athenour Way
Sunol, CA 94586

Re: Second Quarter Report, 1999, Mission Valley Rock, 799 Athenour Way, Sunol, CA 94586

Dear Mr. Calvert:

Tank Protect Engineering of Northern California, Inc. (TPE) is pleased to submit this quarterly letter report of environmental services conducted at the subject site. Work conducted prior to the fourth quarter 1998, is documented in TPE's October 30, 1998 Preliminary Site Assessment Report, Mission Valley Rock, 799 Athenour Way, Sunol, CA 94586.

Work conducted by TPE during the fourth quarter, 1998:

- January 5, 1999 - Loosened well caps on all wells to allow depth-to groundwater to stabilize to atmospheric pressure for groundwater gradient determination. Measured depth-to-groundwater in monitoring wells MW-1 through MW-3 for evaluation of groundwater flow direction and gradient. Collected a groundwater sample from each well for analysis for total petroleum hydrocarbons as diesel (TPHD) and gasoline (TPHG); methyl t-butyl ether (MTBE); and benzene, toluene, ethylbenzene, and xylenes (BTEX). Additionally, analyzed a trip blank sample (MW-4) for BTEX.

Work conducted by TPE during the first quarter, 1999:

- February 24, 1999 - Submitted to the client a Fourth Quarter Report, 1998, Mission Valley Rock, 799 Athenour Way, Sunol, CA 94586.

- March 29, 1999 - Loosened well caps on all wells to allow depth-to groundwater to stabilize to atmospheric pressure for groundwater gradient determination. Measured depth-to-groundwater in monitoring wells MW-1 through MW-3 for evaluation of groundwater flow direction and gradient. Collected a groundwater sample from each well for analysis for TPHD, TPHG, MTBE, and BTEX. Additionally, analyzed a trip blank sample (MW-4) for TPHD, TPHG, MTBE, and BTEX. Collected one sample (DW) to characterize the on-site drummed water for landfill disposal.

WORK CONDUCTED BY TPE DURING THE SECOND QUARTER, 1999:

- April 2, 1999 - Collected samples to characterize the drill cuttings contained in 55-gallon drums for landfill disposal.

- April 26, 1999 - Checked on-site monitoring well MW-2 for the presence of free product. Removed approximately 25 gallons of petroleum contaminated water using a dedicated polyethylene bailer.

- May 21, 1999 - Checked on-site monitoring well MW-2 for the presence of free product. Removed approximately 20 gallons of petroleum contaminated water using a dedicated polyethylene bailer.

- May 24, 1999 - Disposed of approximately 170 gallons of petroleum contaminated water contained in 55-gallon drums, resulting from sampling and/or bailing events.

- June 10, 1999 - Loosened well caps on all wells to allow depth-to groundwater to stabilize to atmospheric pressure for groundwater gradient determination. Measured depth-to-groundwater in monitoring wells MW-1 through MW-3 for evaluation of groundwater flow direction and gradient. Collected a groundwater sample from each well for analysis for TPHD, TPHG, MTBE, and BTEX. Additionally, analyzed a trip blank sample (MW-4) for TPHG, MTBE, and BTEX.

Details of the above work are presented below.

Groundwater Gradient

On June 10, 1999, depth-to-groundwater was measured from top of casing (TOC) in wells MW-1 through MW-3 to the nearest 0.01 foot using an electronic Solinst water level meter. A minimum of 3 repetitive measurements were made for each level determination to ensure accuracy. Depth-to-groundwater was subtracted from the TOC elevation, measured relative to mean sea level, to calculate the elevation of the groundwater level in each well (see attached Table 1).

Attached Figure 1 is a groundwater gradient map constructed from the data collected on June 10, 1999. Groundwater flow direction was predominantly to the east-southeast with an average gradient of about 0.02 feet per foot.

Based on the groundwater flow direction for the subject quarter, wells MW-1 and MW-2 are located upgradient and well MW-3 is downgradient of the location of the former underground fuel tanks.

Groundwater Sampling and Analytical Results

On June 10, 1999, groundwater samples were collected from monitoring wells MW-1 through MW-3. Before sampling, each well was purged of about 2 to 2.5 gallons of groundwater with a dedicated polyethylene bailer and until the temperature, conductivity and pH of the water in the wells had stabilized (see attached Records of Water Sampling). Because a dedicated bailer was used for each well sampled, no decontamination was necessary between sampling events. The water samples were collected in laboratory-provided, sterilized, 40-milliliter glass vials having Teflon-lined screw caps; measured for turbidity and labeled with project name, date and time collected, sample number and sampler name. The samples were immediately stored on crushed ice for transport to California State Department of Health Services (DHS) certified Priority Environmental Labs, Inc. located in Milpitas, California accompanied by chain-of-custody documentation.

All groundwater samples were analyzed for TPHD and TPHG by Environmental Protection Agency (EPA) Methods 3510/8015 and 5030/8015, respectively and for MTBE and BTEX by EPA Method 602. The trip blank sample MW-4 was analyzed for TPHG, MTBE, and BTEX.

Each well was checked for floating product using a dedicated, disposable polyethylene bailer. Hydrocarbon odors were noted in wells MW-1 and MW-2. A hydrocarbon sheen was observed in MW-2 (see attached Table 2).

Purge water was stored on site in 55-gallon drums labeled to show material stored, date filled, company name, contact person and telephone number.

See attached protocols for TPE's sample handling, groundwater monitoring well sampling and quality assurance and quality control procedures.

Analytical results for wells MW-1, MW-2, and MW-3 detected TPHD at concentrations of 210 parts per billion (ppb), 4,500 ppb, and 620 ppb, respectively. TPHG was detected in wells MW-1 and MW-2 at concentrations of 1,800 ppb and 24,000 ppb, respectively. No MTBE was detected in any well. Total BTEX chemicals were detected in wells MW-1 and MW-2 in concentrations of 8.2 ppb to 204 ppb respectively. All analytical results for the trip blank sample were nondetectable.

Analytical results are summarized in attached Table 3 and documented in an attached certified analytical report and chain-of-custody.

On April 2, 1999, samples D-1 through D-5 were collected to characterize the drill cuttings contained in the on-site drums (one from each drum). The samples were composited in the laboratory and analyzed for TPHD, TPHG, MTBE, and BTEX. Sample D-1,2,3,4,5 detected TPHD at concentrations of 38 parts per million. Analytical results are documented in an attached certified analytical report and chain-of-custody.

On May 24, 1999, TPE disposed of approximately 170 gallons of petroleum contaminated water contained in 55-gallon drums, resulting from sampling and/or bailing events (see attached Uniform Hazardous Waste Manifest Number 98527846)

On April 26 and May 21, 1999, TPE Checked on-site monitoring well MW-2 for the presence of free product (see attached February 18, 1999 letter from Alameda County Health Care Services Agency). Approximately 25 gallons of petroleum contaminated water was removed from well MW-2 on April 26 and 20 gallons on May 21 using a dedicated polyethylene bailer (see attached Records of Well Development).

## CONCLUSIONS AND RECOMMENDATIONS

TPHD was detected in all wells ranging in concentration from 210 ppb in well MW-1 to 4,500 ppb in well MW-2. TPHG was detected in wells MW-1 and MW-2 at concentrations of 1,800 ppb and 24,000 ppb, respectively. BTEX chemicals were detected in wells MW-1 and MW-2 ranging in concentration from .9 ppb toluene to 98 ppb xylenes.

Figures 2, 3, and 4 present groundwater concentration contour maps for diesel, gasoline, and benzene.

TPE recommends that all wells continue to be monitored for floating product, sheen and odors.

TPE recommends continued quarterly groundwater sampling to evaluate gradient and to monitor contaminant concentrations.

The next sampling event is due in September, 1999.

Two additional copies of this letter report have been included for your delivery to:

Mr. Scott Seery
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

California Regional Water Quality Control Board
San Francisco Bay Region
Toxics Cleanup Division
2101 Webster Street, Suite 500
Oakland, CA 94612

TPE recommends that this quarterly letter report be submitted with a cover letter from Mission Valley Rock. According to Alameda County Water District (ACWD) groundwater monitoring guidelines, the cover letter must be signed by an authorized representative and state, at a minimum, the following:

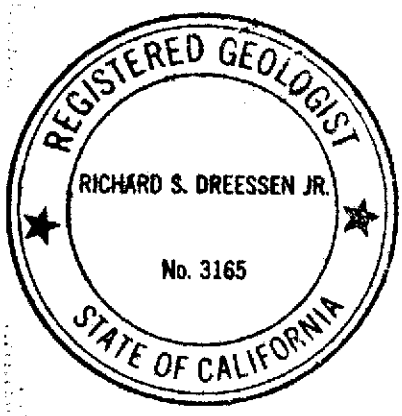
> "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct."

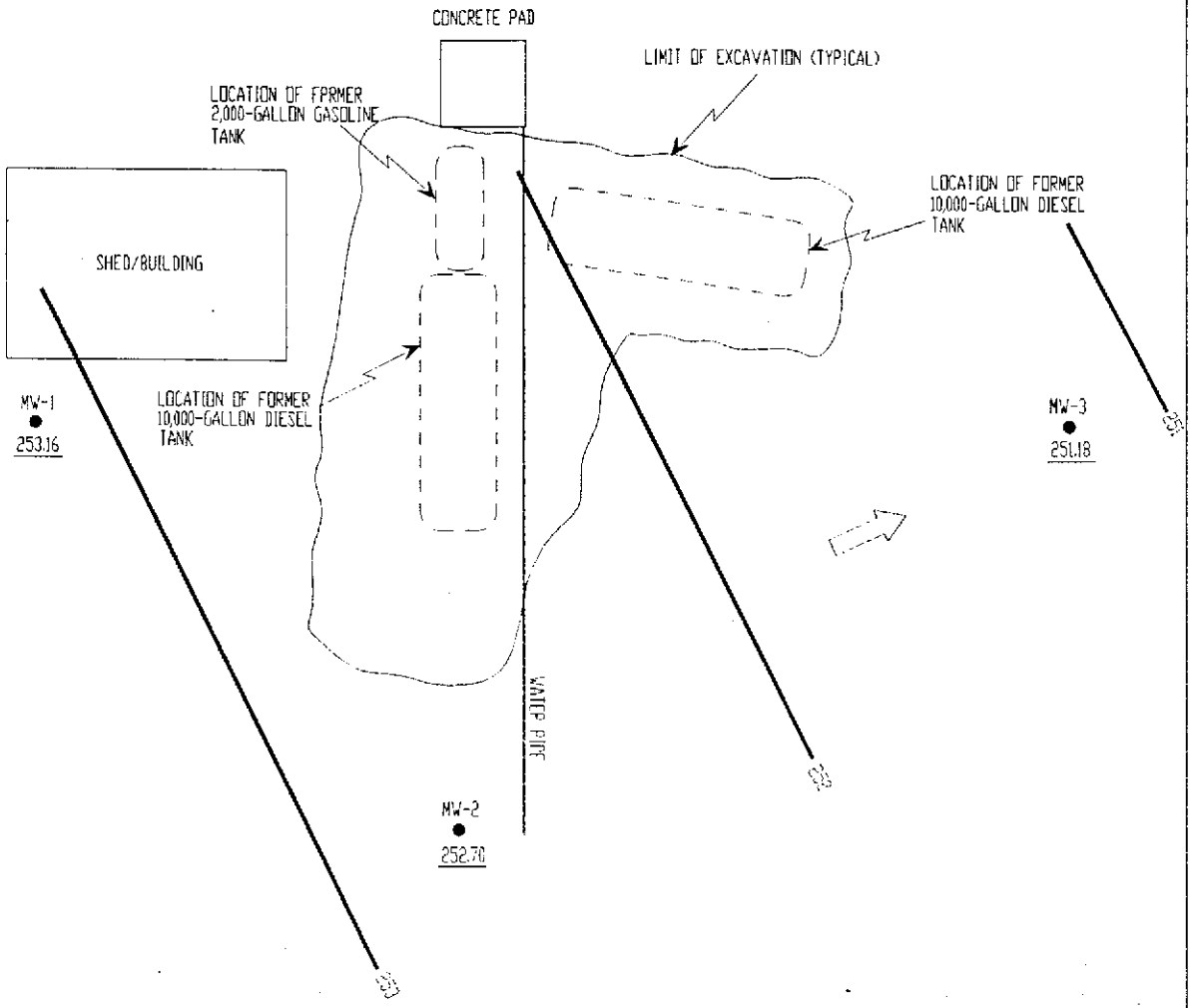
If you have any questions, please call TPE at (510) 429-8088.

Sincerely,

Richard S. Dreessen Jr.
Registered Geologist

Jeff Farhoomand, M.S.
Principal Engineer






## LEGEND

MW-1 ● GROUNDWATER MONITORING WELL LOCATIONS

523.16 POTENTIOMETRIC ELEVATION

253 POTENTIOMETRIC CONTOUR

GROUNDWATER FLOW DIRECTION

0 20

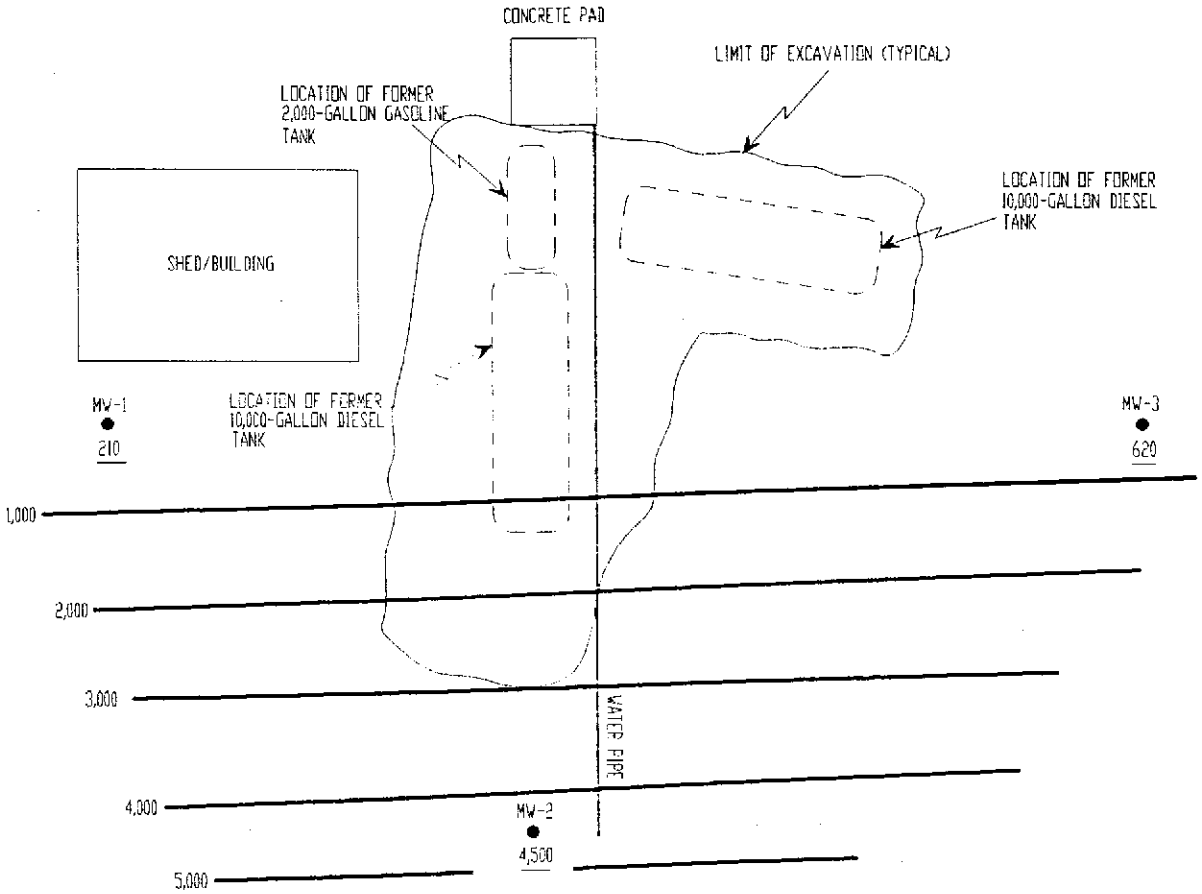
APPROXIMATE SCALE IN FEET

# TANK PROTECT ENGINEERING

SITE PLAN:
GROUNDWATER ELEVATION AND GRADIENT MAP (06/10/99)

MISSION VALLEY ROCK
799 ATHENOUR WAY
SUNOL, CA 94586

| | |
|---|---|
| DATE | 09/20/99 |
| FIGURE | 1 |
| FILE # | 384-1-T |
| DRAWN BY | VK |
| CHECKED BY | RD |




## LEGEND

MW-1 ● GROUNDWATER MONITORING WELL LOCATIONS

210 CONCENTRATION (ppb)

0 20

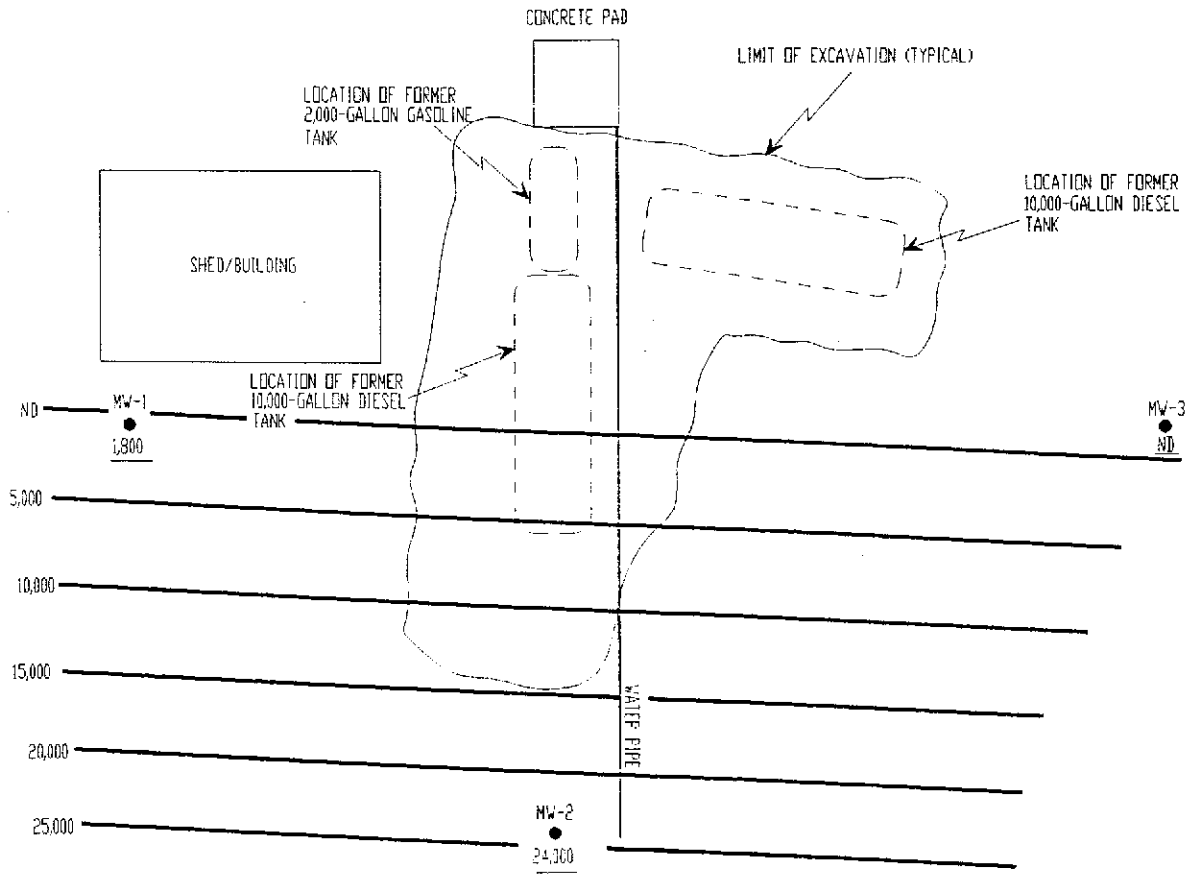
APPROXIMATE SCALE IN FEET

# TANK PROTECT ENGINEERING

SITE PLAN:
TPHD CONCENTRATIONS (06/10/99)

MISSION VALLEY ROCK
799 ATHENDUR WAY
SUNOL, CA 94586

| | |
|---|---|
| DATE | 09/20/99 |
| FIGURE | 2 |
| FILE # | 384-02-T |
| DRAWN BY | VK |
| CHECKED BY | RD |




## LEGEND

MW-1 ● GROUNDWATER MONITORING WELL LOCATIONS

1,800 CONCENTRATION (ppb)

0 20

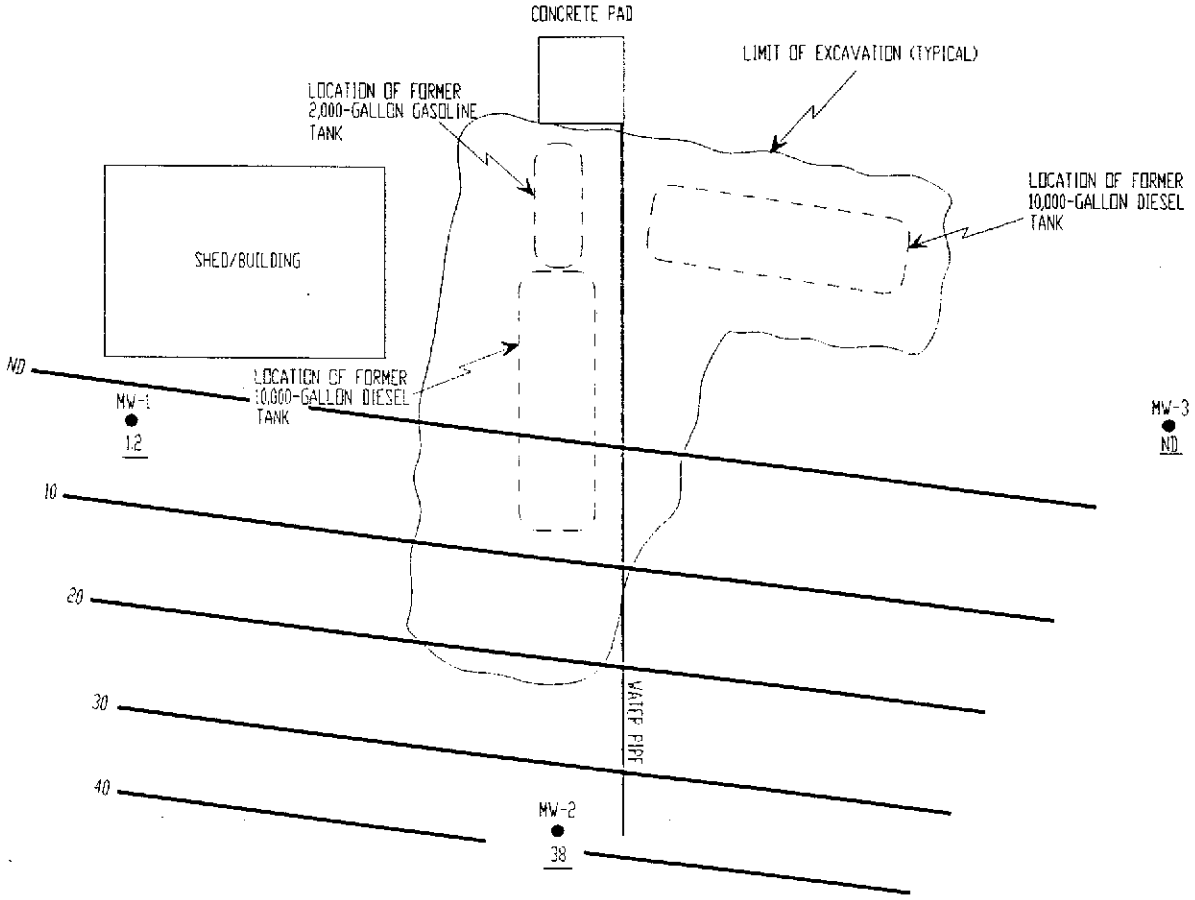
APPROXIMATE SCALE IN FEET

# TANK PROTECT ENGINEERING

SITE PLAN:
TPHG CONCENTRATIONS (06/10/99)

MISSION VALLEY ROCK
799 ATHENOUR WAY
SUNOL, CA 94586

| | |
|---|---|
| DATE | 09/20/99 |
| FIGURE | 3 |
| FILE # | 384-3-1 |
| DRAWN BY | VK |
| CHECKED BY | RD |




## LEGEND

MW-1 ● GROUNDWATER MONITORING WELL LOCATIONS

1.2 CONCENTRATION (ppb)

0 20

APPROXIMATE SCALE IN FEET

# TANK PROTECT ENGINEERING

SITE PLAN:
BENZENE CONCENTRATIONS (06/10/99)

MISSION VALLEY ROCK
799 ATHENOUR WAY
SUNOL, CA 94586

| | |
|---|---|
| DATE | 09/20/99 |
| FIGURE | 4 |
| FILE # | 384-3-T |
| DRAWN BY | VK |
| CHECKED BY | RD |

# TABLE 1
# GROUNDWATER ELEVATION

| Well Name | Elevation TOC[1] (Feet MSL[2]) | Date | Depth-to-Water From TOC | Groundwater Elevation (Feet MSL) |
|---|---|---|---|---|
| MW-1 | 256.51[2] | 06/23/98 | 1.32 | 255.19 |
| | | 01/05/99 | 2.28 | 254.23 |
| | | 03/29/99 | 1.88 | 254.63 |
| | | 06/10/99 | 3.35 | 253.16 |
| MW-2 | 256.70[2] | 06/23/98 | 1.72 | 254.98 |
| | | 01/05/99 | 2.69[3] | 254.01 |
| | | 03/29/99 | 2.50 | 254.20 |
| | | 06/10/99 | 4.0 | 252.70 |
| MW-3 | 256.72[2] | 06/23/98 | 2.66 | 254.06 |
| | | 01/05/99 | 4.47 | 252.25 |
| | | 03/29/99 | 3.96 | 252.76 |
| | | 06/10/99 | 5.54 | 251.18 |

[1] TOP-OF-CASING

[2] TOC SURVEYED 10/09/98 BY PROFESSIONAL ENGINEER. ELEVATION BASED ON ONSITE BENCHMARK ELEVATION 257.10,NATIONAL GEODETIC VERTICAL DATUM (NGVD), ESTABLISHED 1929.

[3] CORRECTED FOR FREE PRODUCT

TABLE 2
SUMMARY OF FLOATING PRODUCT THICKNESS

| Well Name | Date | Depth-to-Water From TOC[1] (Feet) | Depth-to-Product From TOC (Feet) | Product Thickness (Feet) |
|---|---|---|---|---|
| MW-1 | 06/23/98 | 1.32 | ND[2] | --- |
| | 01/05/99 | 2.28 | ND | --- |
| | 03/29/99 | 1.88 | ND | --- |
| | 06/10/99 | 3.35 | ND | --- |
| MW-2 | 06/23/98 | 1.72 | 1.715 | .005 |
| | 01/05/99 | 2.69 (5.3[3]) | 1.33 | 4 |
| | 03/29/99 | 2.50 | ND | --- |
| | 06/10/99 | 4.0 | ND | SHEEN |
| MW-3 | 06/23/98 | 2.662 | ND | --- |
| | 01/05/99 | 4.47 | ND | --- |
| | 03/29/99 | 3.96 | ND | SHEEN |
| | 06/10/99 | 5.54 | ND | --- |

[1] TOP-OF-CASING.
[2] NOT DETECTED.
[3] CORRECTED FOR FREE PRODUCT THICKNESS; ACTUAL FIELD MEASUREMENT IN PARENTHESIS

TABLE 3
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb)[1]

| Sample ID Name | Date | TPHD | TPHG | MTBE | Benzene | Toluene | Ethyl-benzene | Xylenes |
|---|---|---|---|---|---|---|---|---|
| MW-1 | 06/23/98 | <1.0 | 3,100 | 110 | 19 | 2.3 | 91 | 48 |
| | 10/08/98 | <50 | 2,300 | <0.50 | 3.1 | 4.2 | 5.0 | 15 |
| | 12/01/98 | 350 | <50 | <5.0 | 12 | 7.5 | 20 | 6.2 |
| | 03/29/99 | 190 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 06/10/99 | 210 | 1,800 | <0.50 | 1.2 | 0.9 | 1.5 | 4.6 |
| MW-2 | 06/23/98 | 12,000 | 2,500 | 14 | 0.68 | <0.50 | 1.2 | 0.57 |
| | 10/08/98 | 4,300 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 12/01/98 | 38,000 | <5,000 | <500 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 03/29/99 | 580 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 06/10/99 | 4,500 | 24,000 | <0.50 | 38 | 27 | 41 | 98 |
| MW-3 | 06/23/98 | 12,000 | 300 | 150 | 0.80 | <0.50 | <0.50 | <0.50 |
| | 10/08/98 | 6,400 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 12/01/98 | 5,600 | <100 | 110 | 1.6 | 1.4 | <1.0 | <1.0 |
| | 03/29/99 | 150 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 06/10/99 | 620 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| MW-4 | 06/23/98 | NA[2] | <1.0 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 10/08/98 | <50 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 12/01/98 | NA | NA | NA | <0.50 | <0.50 | <0.50 | <0.50 |
| | 03/29/99 | <50 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| | 06/10/99 | NA | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |

[1] PARTS PER BILLION
[2] NOT ANALYZED

# RECORD OF WATER SAMPLING

PROJECT NO.: 384 DATE: 6/10/99

PROJECT NAME: Mission Valley Rock

PROJECT LOCATION: 799 Athenour Way, Sunol, CA

SAMPLER: L.T. III

ANALYSES: TPHG, TPHD, BTEX, MTBE

WELL DEPTH (from construction detail): _____

WELL DEPTH (measured): 15.84 SOFT BOTTOM?: Y

DEPTH TO WATER: 3.35 TIME: 1:56

PRESSURE (circle one)?: YES OR NO

IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WELL NO.: MW-1

WELL DIAMETER: 2"

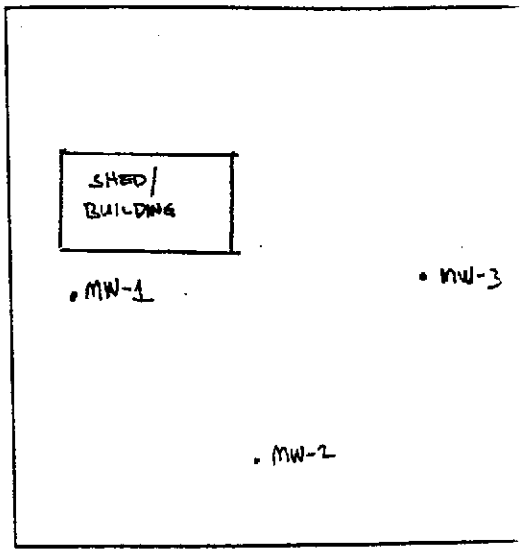
TOC ELEV: _____

LOCK NO.: _____

WATER VOLUME IN WELL: 2.0 gal

[2-INCH CASING = 0.16 GAL/FT] [4-INCH CASING = 0.65 GAL/FT]

[6-INCH CASING = 1.47 GAL/FT] [1 GAL = 3.78 L]




LOCATION MAP

CALCULATED PURGE VOL. (GAL): 8 (L): 32 ACTUAL PURGE VOL. (GAL): _____ (L): 32

PURGE METHOD: POLY SAMPLE METHOD: POLY

## FIELD MEASUREMENTS

| Time | Depth to Water (FT) | Vol (L) | Temp (Deg. F) | pH | EC X10^3 | Clarity | Turbidity (NTU) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 2:12 | | 1 | 72 | 7.70 | 17.17 | Clear | | Clear, no sheen |
| 2:30 | | 29 | 70.4 | 7.48 | 13.82 | | | Turbid, hydrocarbon odor |
| 2:33 | | 30 | 68.2 | 7.45 | 14.21 | | | |
| 2:35 | | 31 | 68.1 | 7.40 | 16.90 | | | |
| 2:37 | | 32 | 68.1 | 7.40 | 16.90 | | | |
| | | | | | | | | |
| 2:39 | | | | | | | | Sampled MW-1 |
| | | | | | | | | |
| | | | | | | | | |

SIGNATURE: _____

WATER VOL. IN DRUM: 30gal

NEED NEW DRUM?: N

# RECORD OF WATER SAMPLING

PROJECT NO.: 384 DATE: _____ WELL NO.: MW-2

PROJECT NAME: Mission Valley Rock WELL DIAMETER: 2"

PROJECT LOCATION: 799 Athenour Way, Sunol, CA TOC ELEV: _____

SAMPLER: L.T. LT LOCK NO.: _____

ANALYSES: TPHG, TPHD, BTEX, MTBE

WELL DEPTH (from construction detail): _____

WELL DEPTH (measured): 19.03 SOFT BOTTOM?: N

DEPTH TO WATER: 4.00 TIME: 2:08

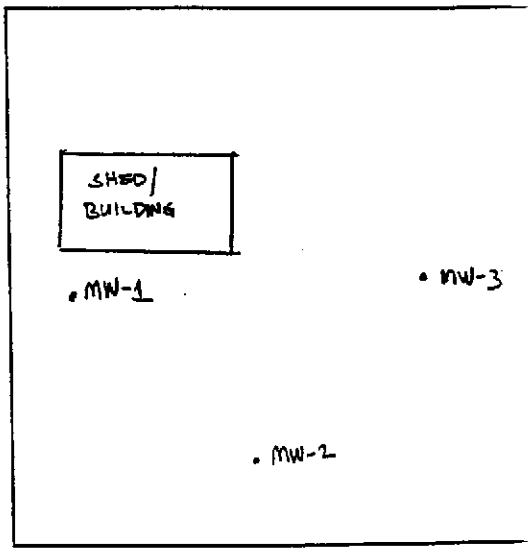
PRESSURE (circle one)?: YES OR NO

IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WATER VOLUME IN WELL: 2.5

[2-INCH CASING = 0.16 GAL/FT] [4-INCH CASING = 0.65 GAL/FT]

[6-INCH CASING = 1.47 GAL/FT] [1 GAL = 3.78 L]




LOCATION MAP

CALCULATED PURGE VOL. (GAL): 10 (L): 40 ACTUAL PURGE VOL. (GAL): _____ (L): 40

PURGE METHOD: POLY SAMPLE METHOD: POLY

## FIELD MEASUREMENTS

| Time | Depth to Water (FT) | Vol (L) | Temp (Deg. F) | pH | EC X10^3 | Clarity | Turbidity (NTU) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 3:39 | | 1 | 75.0 | 7.25 | 15.46 | | | Strong hydrocarbon odor, sheen |
| 4:05 | | 37 | 72.0 | 7.56 | >19.99 | | | observed |
| 4:08 | | 38 | 72.3 | 7.59 | 18.63 | | | |
| 4:11 | | 39 | 70.9 | 7.35 | 17.63 | | | |
| 4:13 | | 40 | 70.3 | 7.34 | 17.59 | | | |
| | | | | | | | | |
| *4:15 | | | | | | | | Sampled MW-2 |
| | | | | | | | | |
| | | | | | | | | |

SIGNATURE: _____

WATER VOL. IN DRUM: 30

NEED NEW DRUM?: N

# RECORD OF WATER SAMPLING

PROJECT NO.: 384 DATE: _____ WELL NO.: MW-3

PROJECT NAME: Mission Valley Rock WELL DIAMETER: 2"

PROJECT LOCATION: 799 Athenour Way, Sunol, CA TOC ELEV: _____

SAMPLER: L.T. TM LOCK NO.: _____

ANALYSES: TPHG, TPHD, BTEX, MTBE

WELL DEPTH (from construction detail): _____

WELL DEPTH (measured): 17.85 SOFT BOTTOM?: Y

DEPTH TO WATER: 5.54 TIME: 2:04

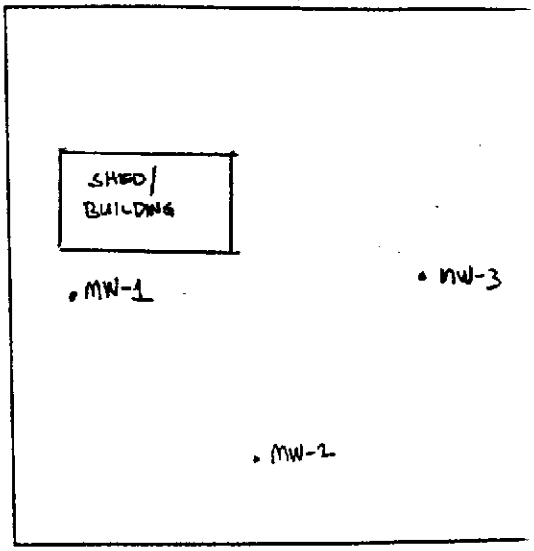
PRESSURE (circle one)?: YES OR NO

IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WATER VOLUME IN WELL: 2 gal

[2-INCH CASING = 0.16 GAL/FT] [4-INCH CASING = 0.65 GAL/FT]

[6-INCH CASING = 1.47 GAL/FT] [1 GAL = 3.78 L]




LOCATION MAP

CALCULATED PURGE VOL. (GAL): 8 (L): 32 ACTUAL PURGE VOL. (GAL): _____ (L): 32

PURGE METHOD: POLY SAMPLE METHOD: POLY

## FIELD MEASUREMENTS

| Time | Depth to Water (FT) | Vol (L) | Temp (Deg. F) | pH | EC X10^3 | Clarity | Turbidity (NTU) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 3:10 | | 1 | 78.2 | 7.50 | 16.94 | | | Slightly turbid, no |
| 3:13 | | 29 | 76.8 | 6.97 | 14.99 | | | sheen |
| 3:15 | | 30 | 71.2 | 7.09 | 14.70 | | | |
| 3:17 | | 31 | 69.7 | 7.10 | 14.72 | | | |
| 3:19 | | 32 | 69.6 | 7.10 | 14.73 | | | |
| | | | | | | | | |
| 3:20 | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

SIGNATURE: _____

WATER VOL. IN DRUM: 30 gal

NEED NEW DRUM?: N

# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 14, 1999 PEL # 9906007

TANK PROTECT ENGINEERING

Attn: Louis Travis III

Re: Four water samples for Gasoline/BTEX with MTBE and Diesel analyses.

Project name: Mission Valley Rock.
Project location: 799 Athenour Way, Sunol, CA.
Project number: 384-061099

Date sampled: June 10, 1999 Date submitted: June 11, 1999
Date extracted: June 11-12, 1999 Date analyzed: June 11-12, 1999

RESULTS:

| SAMPLE I.D. | Diesel (ug/L) | Gasoline (ug/L) | MTBE (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethyl Benzene (ug/L) | Total Xylenes (ug/L) |
|---|---|---|---|---|---|---|---|
| MW - 1 | 210 | 1800 | N.D. | 1.2 | 0.9 | 1.5 | 4.6 |
| MW - 2 | 4500 | 24000 | N.D. | 38 | 27 | 41 | 98 |
| MW - 3 | 620 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| MW - 4 | --- | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Blank | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Spiked Recovery | 81.2% | 91.4% | --- | 87.3% | 89.9% | 91.3% | 99.9% |
| Detection limit | 50 | 50 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Method of Analysis | 3510/ 8015 | 5030/ 8015 | 602 | 602 | 602 | 602 | 602 |

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

TANK PROTECT ENGINEERING
of Northern California, Inc.
2821 Whipple Rd., Union City, CA 94587-1233
(510) 429-8088 ■ (800) 523-8088 ■ Fax (510) 429-8089

LAB: P.E.L

TURNAROUND: Normal

P.O. #: 1526

PAGE 1 OF 1

# CHAIN OF CUSTODY

PROJECT NO.: 384-061099

SITE NAME & ADDRESS: Mission Valley Rock, 799 Athenaeum Way, Sunol, CA

SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER: Louis Travis II
2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088

| ID NO. | DATE | TIME | SOIL | WATER | SAMPLING LOCATION | (1) TYPE OF CONTAINER | ANALYTES REQUESTED: TOTAL LIGHT HC | AROMATIC HC (BTX) | TOTAL HEAVY HC | OIL & GREASE | VOC SCAN (624's) | OTHER MTBE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 6/10/99 | 2:39 | | ✓ | MW-1 | 2-40ml 1-1Liter | ✓ | ✓ | ✓ | | ✓ | | |
| MW-2 | ↓ | 4:15 | | ↓ | MW-2 | ↓ | ↓ | ↓ | ↓ | | ↓ | | |
| MW-3 | | 3:20 | | | MW-3 | | | | | | | | |
| MW-4 | ↓ | 5:10 | | ↓ | MW-4 | ↓ | ↓ | ↓ | ↓ | | ↓ | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| Relinquished by : (Signature) | Date / Time | Received by : (Signature) | Relinquished by : (Signature) | Date / Time | Received by : (Signature) |
|---|---|---|---|---|---|
| [signature] | 06/11/99 12:10 | [signature] | 06/11/99 | | |
| Relinquished by : (Signature) | Date / Time | Received by : (Signature) | Relinquished by : (Signature) | Date / Time | Received by : (Signature) |
| | | | | | |
| Relinquished by : (Signature) | Date / Time | Received for Laboratory by: (Signature) | Date / Time | Remarks | |
| | | | | | |

DATE: _____

# PRIORITY ENVIRONMENTAL LABS

Priority Environmental Analytical Laboratory

April 12, 1999 PEL # 9904011

TANK PROTECT ENGINEERING

Attn: Louis Travis III

Re: One composited soil sample for Gasoline/BTEX with MTBE and Diesel analyse

Project name: Mission Valley Rock.
Project number: 384-040299

Date sampled: Apr 02, 1999
Date extracted: Apr 09-10, 1999

Date submitted: Apr 09, 1999
Date analyzed: Apr 09-10, 1999

RESULTS:

| SAMPLE I.D. | Diesel (mg/Kg) | Gasoline (mg/Kg) | MTBE (ug/Kg) | Benzene (ug/Kg) | Toluene (ug/Kg) | Ethyl Benzene (ug/Kg) | Total Xylenes (ug/Kg) |
|---|---|---|---|---|---|---|---|
| D-1,2,3,4,5 | 38 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Blank | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Spiked Recovery | 87.2% | 90.6% | --- | 81.4% | 93.1% | 90.8% | 96.5% |
| Detection limit | 1.0 | 1.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Method of Analysis | 3550/ 8015 | 5030/ 8015 | 8020 | 8020 | 8020 | 8020 | 8020 |

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LAB: PEL

TURNAROUND: Normal

P.O. #: 154

PAGE 1 OF 1

# CHAIN OF CUSTODY

PROJECT NO.: 384-0902-99

SITE NAME & ADDRESS: Moreno Valley Plaza, 791 Alessandro Blvd, Moreno Valley, CA

SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER: Leon Tipton III, 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088

| ID NO. | DATE | TIME | SOIL | WATER | SAMPLING LOCATION | (1) TYPE OF CONTAINER | TOTAL LIGHT HC | AROMATIC HC (BTX) | TOTAL HEAVY HC | OIL & GREASE | PCE SCAN (8240) | OTHER | MTBE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D-1 | | 11:50 | ✓ | | Drum # 1 @ 1.5' | Brass Tube | ✓ | ✓ | ✓ | | ✓ | | | Composite |
| D-2 | | 12:10 | ↓ | | Drum # 2 @ 1.5' | ↓ | ↓ | ↓ | ↓ | | ↓ | | | |
| D-3 | | 12:20 | | | Drum # 3 @ 1.5' | | | | | | | | | |
| D-4 | | 12:30 | | | Drum # 4 @ 1.5' | | | | | | | | | |
| D-5 | | 12:40 | ↓ | | Drum # 5 @ 1.5' | ↓ | ↓ | ↓ | ↓ | | ↓ | | | |

PEL # 9904011

INV # 28781

| Relinquished by : (Signature) | Date / Time | Received by : (Signature) | Relinquished by : (Signature) | Date / Time | Received by : (Signature) |
|---|---|---|---|---|---|
| | | | | | |
| Relinquished by : (Signature) | Date / Time | Received by : (Signature) | Relinquished by : (Signature) | Date / Time | Received by : (Signature) |
| | | | | | |
| Relinquished by : (Signature) | Date / Time | Received for Laboratory by: (Signature) | Date / Time | Remarks | |
| | | [signature] | 04/07/99 | 16:30 PM | P.E.L |

DATE: _____

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

**See Instructions on back of page 6.**

Department of Toxic Substances Control, Sacramento, California

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000149253627 | Manifest Document No. 8416 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MISSION VALLEY ROCK
7999 ATHENOUR WAY
SUNOL, CA 94586

4. Generator's Phone (510) 719-6252

5. Transporter 1 Company Name
CLEARWATER ENVIRONMENTAL

6. US EPA ID Number
CAR000007018

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
ALVISO INDEPENDENT OIL
5002 ARCHER STREET
ALVISO, CA 95002

10. US EPA ID Number
CAL000161743

| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | 12. Containers No. | 12. Containers Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. OILY WATER, Non-RCRA Hazardous Waste Liquid | 001 | TT | 00170 | G |
| b. | | | | |
| c. | | | | |
| d. | | | | |

15. Special Handling Instructions and Additional Information
WEAR PPE
Emergency Contact: (510) 797-9511 Attn: Kirk Hayward
ERG # 171

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| LOUIS RIVAS III MVR Client | MVR Client | 05 | 21 | 99 |

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| JOSEPH Riley | Joseph Riley | 05 | 21 | 99 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

**DO NOT WRITE BELOW THIS LINE.**

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

98527846

DTSC 8022A (4/97)
EPA 8700—22

Yellow: GENERATOR RETAINS

ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
DAVID J. KEARS, Agency Director

February 18, 1999

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

STID 2786

Mr. Robert A. Saia
Mission Valley Rock Company
P.O. Box 567
Sunol, CA 94586

RE: MISSION VALLEY ROCK COMPANY, 7999 ATHENOUR WAY, SUNOL

Dear Mr. Saia:

I have completed review of the October 30, 1998 Tank Protect Engineering *Preliminary Site Assessment Report*, presented under Mission Valley Rock Company cover dated December 11, 1998. This report was later amended in a submittal dated February 8, 1999 after a conversation I shared several weeks ago with Mr. Richard S. Dressen Jr., the contract geologist on this project. Mr. Dressen clarified some issues regarding initial depths to water encountered during the drilling of the well borings, among other issues addressed.

At this time, please adhere to the following sampling, monitoring, and free-product removal schedule:

1. All wells are to be sampled and monitored following a quarterly schedule, commencing the 1st quarter of 1999. (Note: This initial work must be completed before April 1, 1999 in order to comply with this schedule.)

   All samples are to be analyzed for total petroleum hydrocarbons as gasoline (TPH-gas); TPH-diesel; benzene, toluene, ethylbenzene, and total xylenes (BTEX); and, methyl tert butyl ether (MtBE)

2. Well MW-2 shall be checked monthly for the presence of free-product (FP). Should FP be discovered, it shall be removed, collected, stored, and disposed of in an acceptable fashion. When FP has been reduced to the extent that it can no longer be removed, this task may be performed during normal quarterly sampling and monitoring events.

Technical reports summarizing all tasks that occurred during a given quarter shall be submitted within 60 days following completion of field activities associated with that quarter. Each report shall include, among other elements, tabulated results of laboratory analyses, depth-to-water and water elevations, and cumulative product recovery to date. Each report shall also present maps depicting ground water flow and contaminant isoconcentrations.

Data presented over the next several quarters shall be applied in determining the next appropriate actions with this case. Please contact me at (510) 567-6783 should you have any questions.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Robert Weston, ACDEH
Chuck Headlee, RWQCB
Louis Travis, Tank Protect Engineering, Inc.
2821 Whipple Rd., Union City, CA 94587

# RECORD OF WELL DEVELOPMENT

PROJECT NO.: 384 DATE: 4/26/99

WELL NO.: MW-2

PROJECT NAME: Mission Valley Rock

WELL DIAMETER:

PROJECT LOCATION: 799 Athenaur Way, Sunol

TOC ELEV:

DEVELOPER: L-T-K

LOCK NO.:

WELL DEPTH (from construction detail):

WELL DEPTH (measured): SOFT BOTTOM?:

DEPTH TO WATER: 2.6' TIME: 11:25

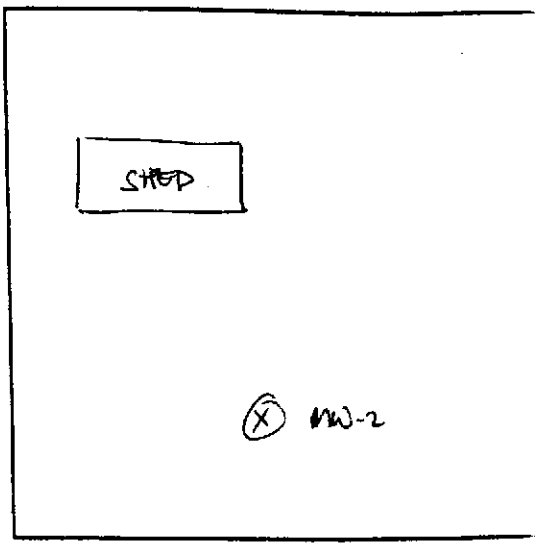
PRESSURE (circle one)?: YES OR NO

IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WATER VOLUME IN WELL:

[2-INCH CASING = 0.16 GAL/FT] [4-INCH CASING = 0.65 GAL/FT]

[6-INCH CASING = 1.47 GAL/FT] [1 GAL = 3.78L]




LOCATION MAP

DEVELOPMENT METHOD: POLY

FLOATING PRODUCT PRESENT: YES ☑ NO ☐

SHEEN PRESENT: YES ☑ NO ☐

ODOR PRESENT: YES ☑ NO ☐

## FIELD MEASUREMENTS

| Time | Depth to Water (FT) | Vol (Gal) | Clarity (NTU'S) | Remarks |
|---|---|---|---|---|
| 11:25 | | | | Bailed approx 25 gal of city water from MW-2. |
| | | | | Observed floating product (1/16" thick) & strong |
| | | | | odor |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

TOTAL VOLUME DEVELOPED (GAL): 25 (L):

WATER VOL. IN DRUM:

SIGNATURE:

NEED NEW DRUM?:

# RECORD OF WELL DEVELOPMENT

PROJECT NO.: 384 DATE: 5/21/99

WELL NO.: MW-2

PROJECT NAME: Mission Valley Tech

WELL DIAMETER:

PROJECT LOCATION: 799 Allenair Way, Sunol

TOC ELEV:

DEVELOPER: C.T. ET

LOCK NO.:

WELL DEPTH (from construction detail):

WELL DEPTH (measured): SOFT BOTTOM?:

DEPTH TO WATER: TIME:

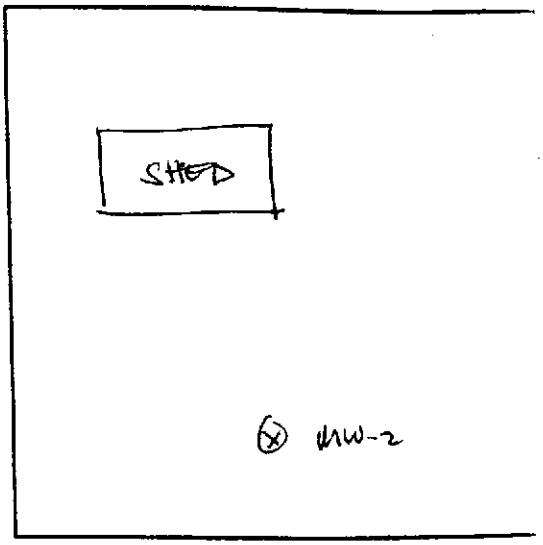
PRESSURE (circle one)?: YES OR NO

IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WATER VOLUME IN WELL:

[2-INCH CASING = 0.16 GAL/FT] [4-INCH CASING = 0.65 GAL/FT]

[6-INCH CASING = 1.47 GAL/FT] [1 GAL = 3.78L]




LOCATION MAP

DEVELOPMENT METHOD: POLY

FLOATING PRODUCT PRESENT: YES ☑ NO ☐

SHEEN PRESENT: YES ☑ NO ☐

ODOR PRESENT: YES ☑ NO ☐

## FIELD MEASUREMENTS

| Time | Depth to Water (FT) | Vol (Gal) | Clarity (NTU'S) | Remarks |
|---|---|---|---|---|
| 9:10 | | | | Observed strong odor & floating product in MW-2. Bailed approx 20 gal of water to remove floating product. |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

TOTAL VOLUME DEVELOPED (GAL): 20 (L):

WATER VOL. IN DRUM:

SIGNATURE:

NEED NEW DRUM?:

# SAMPLE HANDLING PROCEDURES

Soil and groundwater samples will be packaged carefully to avoid breakage or contamination and will be delivered to the laboratory in an iced-cooler. The following sample packaging requirements will be followed.

- Sample bottle/sleeve lids will not be mixed. All sample lids will stay with the original containers and have custody seals affixed to them.

- Samples will be secured in coolers to maintain custody, control temperature and prevent breakage during transportation to the laboratory.

- A chain-of-custody form will be completed for all samples and accompany the sample cooler to the laboratory.

- Ice, blue ice or dry ice (dry ice will be used for preserving soil samples collected for the Alameda County Water District) will be used to cool samples during transport to the laboratory.

- Water samples will be cooled with crushed ice. In the Alameda County Water District, water samples will be buried in the crushed ice with a thermometer, and the laboratory will be requested to record thermometer temperature at the time of receipt.

- Each sample will be identified by affixing a pressure sensitive, gummed label or standardized tag on the container(s). This label will contain the site identification, sample identification number, date and time of sample collection and the collector's initials.

- Soil samples collected in brass tubes will be preserved by covering the ends with Teflon tape and capping with plastic end-caps. The tubes will

be labeled, sealed in quart size bags and placed in an iced-cooler for transport to the laboratory.

All groundwater sample containers will be precleaned and will be obtained from a State Department of Health Services certified analytical laboratory.

Sample Control/Chain-of-Custody: All field personnel will refer to this workplan to verify the methods to be employed during sample collection. All sample gathering activities will be recorded in the site file; all sample transfers will be documented in the chain-of-custody; samples will be identified with labels; all sample bottles will be custody-sealed. All information is to be recorded in waterproof ink. All TPE field personnel are personally responsible for sample collection and the care and custody of collected samples until the samples are transferred or properly dispatched.

The custody record will be completed by the field technician or professional who has been designated by the TPE project manager as being responsible for sample shipment to the appropriate laboratory. The custody record will include, among other things, the following information: site identification, name of person collecting the samples, date and time samples were collected, type of sampling conducted (composite/grab), location of sampling station, number and type of containers used and signature of the TPE person relinquishing samples to a non-TPE person with the date and time of transfer noted. The relinquishing individual will also put all the specific shipping data on the custody record.

Records will be maintained by a designated TPE field employee for each sample: site identification, sampling location, station number, date, time, sampler's name, designation of the sample as a grab or composite, notation of the type of sample (e.g., groundwater, soil boring, etc.), preservatives used, onsite measurement data and other observations or remarks.

# GROUNDWATER MONITORING WELL SAMPLING PROCEDURES

Groundwater monitoring wells will not be sampled until at least 24 to 72 hours (according to local regulatory guidelines) after well development. Groundwater samples will be obtained using a bladder pump, clear Teflon bailer or dedicated polyethylene bailer. Prior to collecting samples, the sampling equipment will be thoroughly decontaminated to prevent introduction of contaminants into the well and to avoid cross-contamination. Monitoring wells will be sampled after 3 to 10 wetted casing volumes of groundwater have been evacuated and pH, electrical conductivity and temperature have stabilized as measured with a Hydac Digital Tester. If the well is emptied before 3 to 10 well volumes are removed, the sample will be taken when the water level in the well recovers to 80% or more of its initial water level.

When a water sample is collected, turbidity of the water will be measured and recorded with a digital turbidimeter. Degree of turbidity will be measured and recorded in nephelometric turbidity units (NTU).

TPE will also measure the thickness of any floating product in the monitoring wells using an interface probe or clear Teflon or polyethylene bailer. The floating product will be measured after well development but prior to the collection of groundwater samples. If floating product is present in the well, TPE will recommend to the client that product removal be commenced immediately and reported to the appropriate regulatory agency.

Unless specifically waived or changed by the local, prevailing regulatory agency, water samples will be handled and preserved according to the latest United States Environmental Protection Agency methods as described in the Federal Register (Volume 44, No. 233, Page 69544, Table II) for the type of analysis to be performed.

Development and/or purge water will be stored on site in labeled containers. The disposal of the containers and development and/or purge water is the responsibility of the client.

MEASUREMENTS

Purged Water Parameter: During purging, discharged water will be measured for the following parameters.

| Parameter | Units of Measurement |
|---|---|
| pH | None |
| Electrical Conductivity | Micromhos |
| Temperature | Degrees F or C |
| Depth to Water | Feet/Hundredths |
| Volume of Water Discharged | Gallons |
| Turbidity | NTU |

Documentation: All parameter measurements will be documented in writing on TPE development logs.

# QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

The overall objectives of the field sampling program include generation of reliable data that will support development of a remedial action plan. Sample quality will be checked by the use of proper sampling, handling and testing methods. Additional sample quality control methods may include the use of background samples, equipment rinsate samples and trip and field blanks. Chain-of-custody forms, use of a qualified laboratory, acceptable detection limits and proper sample preservation and holding times also provide assurance of accurate analytical data.

TPE will follow a quality assurance and quality control (QA/QC) program in the field to ensure that all samples collected and field measurements taken are representative of actual field and environmental conditions and that data obtained are accurate and reproducible. These activities and laboratory QA/QC procedures are described below:

Field Samples: Additional samples may be taken in the field to evaluate both sampling and analytical methods. Three basic categories of QA/QC samples that may be collected are trip blanks, field blanks and duplicate samples.

Trip blanks are a check for cross-contamination during sample collection, shipment, and laboratory analysis. They are water samples that remain with the collected samples during transportation and are analyzed along with the field samples to check for residual contamination. Analytically confirmed organic-free water will be used for organic parameters and deionized water for metal parameters. Blanks will be prepared by the laboratory supplying the sample containers. The blanks will be numbered, packaged and sealed in the same manner as the other samples. One trip blank will be used for each sample set of less than 20 samples. At least 5% blanks will be used for sets greater than 20 samples. The trip blank is not to be opened by either the sample collectors or the handlers.

The field blank is a water sample that is taken into the field and is opened and exposed at the sampling point to detect contamination from air exposure. The water

sample is poured into appropriate containers to simulate actual sampling conditions. Contamination due to air exposure can vary considerably from site to site.

The laboratory will not be informed about the presence of trip and field blanks, and false identifying numbers will be put on the labels. Full documentation of these collection and decoy procedures will be made in the site log book.

Duplicate samples are identical sample pairs (collected in the same place and at the same time), placed in identical containers. For soils, adjacent sample liners will be analyzed. For the purpose of data reporting, one is arbitrarily designated the sample, and the other is designated as a duplicate sample. Both sets of results are reported to give an indication of the precision of sampling and analytical methods.

The laboratory's precision will be assessed without the laboratory's knowledge by labeling one of the duplicates with false identifying information. Data quality will be evaluated on the basis of the duplicate results.

Laboratory QA/QC: Execution of a strict QA/QC program is an essential ingredient in high-quality analytical results. By using accredited laboratory techniques and analytical procedures, estimates of the experimental values can be very close to the actual value of the environmental sample. The experimental value is monitored for its precision and accuracy by performing QC tests designed to measure the amount of random and systematic errors and to signal when correction of these errors is needed.

The QA/QC program describes methods for performing QC tests. These methods involve analyzing method blanks, calibration standards, check standards (both independent and the United States Environmental Protection Agency-certified standards), duplicates, replicates and sample spikes. Internal QC also requires adherence to written methods, procedural documentation and the observance of good laboratory practices.