RMC LONESTAR

6601 Koll Center Parkway
P.O. Box 5252
Pleasanton, CA 94566
(415) 426-8787

May 15, 1991

Mr. Scott O. Seery, Hazardous Materials Specialist
Department of Environmental Health,
Alameda County Health Agency
80 Swan Way, Rm. 200
Oakland, CA 94621

Subject: Sunol Quarry Diesel Fuel Cleanup - Quarterly Report #2

Dear Mr. Seery

Since our last report dated February 1, we have completed the monthly groundwater testing requirement for monitoring wells RMC-2, RMC-3 and RMC-4 at this site. The relevant data are presented in Tables 1, 2 and 3 of the attached report.

Our soil remediation work plan at Sunol will proceed sequentially to our work plan for our Eliot site on Stanley Boulevard in Pleasanton. Both sites contain similar stockpiles of soil and will be bio-remediated in similar fashion. The Eliot work plan is now under review by Mr. Wistar of your office and we have begun assembling equipment and configuring the soil pile for that project. Once the Eliot work plan is approved and underway, we will submit an identical plan for Sunol.

This revised soil remediation program differs from our February 1 plan. At that time we intended to run both the Sunol and Eliot programs independently and concurrently. The obvious economy and reduced regulatory approval effort needed to operate these two clean-ups sequentially argue in favor of this revised approach.

Thank you for your continued assistance.

Sincerely yours,

Harry W. Reppert,
Director of Environmental Affairs

cc: Mr. Hossain Kazemi, RWQCB
Mr. Al Sportono, San Francisco Water Department
Mr. Jeffrey Peterson, GeoStrategies, Inc.
Mr. Louis Schipper

GeoStrategies Inc.

# SITE UPDATE

RMC Lonestar
6527 Calaveras Road
Sunol, California

700401-4

May 1, 1991

**GeoStrategies Inc.**
2140 WEST WINTON AVENUE
HAYWARD, CALIFORNIA 94545
(415) 352-4800

May 1, 1991

RMC Lonestar
P.O. Box 5252
Pleasanton, California 94566

Attn: Mr. Harry Reppert
Director of Environmental Affairs

Re: SITE UPDATE
RMC Lonestar
6527 Calaveras Road
Sunol, California

Gentlemen:

This site update has been prepared by GeoStrategies Inc. (GSI) and presents the results of the 1991 first quarter ground-water sampling performed by Gettler-Ryan Inc. (G-R) for the above referenced site (Plate 1). The scope of work presented in this document was performed at the request of RMC Lonestar. Field work and laboratory analysis methods were performed to comply with current State of California Water Resources Control Board guidelines.

## SITE BACKGROUND

There are currently four ground-water monitoring wells at the site; Wells Sunol-1 and RMC-2 through RMC-4 (Plates 1 and 2). Well Sunol-1 was installed by Levine-Fricke in 1989 to assess the impact to soil and groundwater of a small, localized spill of oil and water. Wells RMC-2 through RMC-4 were installed by GSI in September 1990 to evaluate the impact of a 2500 gallon diesel spill to the soil and groundwater beneath the site.

Quarterly monitoring and sampling of wells RMC-2 through RMC-4 began in 1990. Ground-water samples have been analyzed for Total Petroleum Hydrocarbons calculated as Diesel (TPH-Diesel) according to EPA Method 8015 (Modified) and Benzene, Toluene, Ethylbenzene, and Toluene (BTEX) according to EPA Method 602.

## CURRENT QUARTERLY SAMPLING RESULTS

Potentiometric Data

Prior to ground-water sampling, depth to water-level measurements were obtained in each monitoring well using an electronic oil-water interface probe. Static ground-water levels were measured from the surveyed top of well casing and recorded to the nearest 0.01 foot. Corresponding elevations, referenced to the project datum, are presented in Table 1. Water-level data were used to construct monthly potentiometric maps for the months of January through March 1991 (Plates 3 through 5). Shallow ground-water flow beneath the site during this quarter was to the southwest at a calculated gradient ranging from 0.011 to 0.016. Well Sunol-1 was dry.

Floating Product Measurements

Each well was checked for the presence of floating product using an electronic oil-water interface probe. A clear acrylic bailer was used to confirm probe results. Floating product was not detected in any wells this quarter.

Ground-water Analytical Data

Ground-water samples were collected on January 19, February 20 and March 18, 1991. The samples were analyzed for TPH-Diesel according to EPA Method 8015 (Modified) and BTEX according to EPA Method 602 by NET Pacific Inc. (NET), a State of California certified laboratory located in Santa Rosa, California.

TPH-Diesel was not detected in the wells this quarter. Benzene was detected in Well RMC-4 during the January 19 and March 18, 1991 samplings, at concentrations of 1.0 and 0.83 parts per billion (ppb), respectively. Benzene was not detected in any wells during the February 20, 1991 sampling. These data are summarized in Table 2. Chemical concentration maps for TPH-Diesel and Benzene are presented on Plates 6 through 8. The NET certified analytical reports for the February 20 and March 18, 1991 samplings are presented in Appendix A. The NET certified analytical report for the January 19 sampling was included in the GSI Progress Report dated February 1, 1991.

Quality Control

A Quality Control (QC) sample (Trip Blank) was included in the March 18, 1991 sampling. This sample was prepared in the laboratory using organic-free water to evaluate laboratory and field handling procedures of samples. The results of QC sample analyses are presented in Table 2.

If you have any questions, please call.

GeoStrategies Inc. by.

Stephen J. Carter
Geologist

Jeffrey L. Peterson
Senior Hydrogeologist
R.E.A. 1021

David H. Peterson
Senior Geologist
C.E.G. 1186

REGISTERED GEOLOGIST
DAVID H. PETERSON
No. 1186
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

SJC/JLP/DHP/kjj

Plate 1. Vicinity and Site Location Maps
Plate 2. Site Plan
Plate 3. Potentiometric Map (January 19, 1991)
Plate 4. Potentiometric Map (February 20, 1991)
Plate 5. Potentiometric Map (March 18, 1991)
Plate 6. TPH-Diesel/Benzene Concentration Map (January 19, 1991)
Plate 7. TPH-Diesel/Benzene Concentration Map (February 20, 1991)
Plate 8. TPH-Diesel/Benzene Concentration Map (March 18, 1991)

Appendix A: Analytical Laboratory Reports and Chains-of-Custody

QC Review:

700401-4

TABLE 1

FIELD MONITORING DATA

| WELL NO. | MONITORING DATE | CASING DIA. (IN) | TOTAL WELL DEPTH (FT) | WELL ELEV. (FT) | DEPTH TO WATER (FT) | PRODUCT THICKNESS (FT) | STATIC WATER ELEV. (FT) | PURGED WELL VOLUMES | pH | TEMPERATURE (F) | CONDUCTIVITY (uMHOS/cm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RMC-2 | 19-Jan-91 | 2 | 44.0 | 100.00 | 33.19 | ---- | 66.81 | 2 | 7.41 | 62.9 | 623 |
| RMC-2 | 20-Feb-91 | 2 | 42.5 | 100.00 | 33.33 | ---- | 66.67 | 3 | 7.42 | 64.1 | 620 |
| RMC-2 | 18-Mar-91 | 2 | 42.5 | 100.00 | 32.25 | ---- | 67.75 | 4 | 7.62 | 63.1 | 620 |
| RMC-3 | 19-Jan-91 | 2 | 20.5 | 69.84 | 4.64 | ---- | 65.20 | 5 | 7.23 | 62.4 | 572 |
| RMC-3 | 20-Feb-91 | 2 | 18.5 | 69.84 | 5.08 | ---- | 64.76 | 5 | 8.20 | 62.5 | 570 |
| RMC-3 | 18-Mar-91 | 2 | 18.5 | 69.84 | 4.38 | ---- | 65.46 | 5 | 7.32 | 63.1 | 560 |
| RMC-4 | 19-Jan-91 | 2 | 43.0 | 101.38 | 34.60 | ---- | 66.78 | 5 | 6.82 | 61.6 | 650 |
| RMC-4 | 20-Feb-91 | 2 | 40.4 | 101.38 | 34.66 | ---- | 66.72 | 5 | 6.80 | 61.9 | 650 |
| RMC-4 | 18-Mar-91 | 2 | 40.4 | 101.38 | 33.60 | ---- | 67.78 | 6 | 7.30 | 63.0 | 680 |

Notes: 1. Water level elevations referenced to project datum. Top of well casing RMC-2 assumed to be 100.00 feet.
2. Physical parameter measurements represent stabilized values.
3. pH values reported in pH units.

TABLE 2

GROUND-WATER ANALYSIS DATA

| WELL NO | SAMPLE DATE | ANALYSIS DATE | TPH-D (PPB) | BENZENE (PPB) | TOLUENE (PPB) | ETHYLBENZENE (PPB) | XYLENES (PPB) |
|---|---|---|---|---|---|---|---|
| RMC-2 | 19-Jan-91 | 23-Jan-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-2 | 20-Feb-91 | 03-Mar-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-2 | 18-Mar-91 | 24-Mar-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-3 | 19-Jan-91 | 23-Jan-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-3 | 20-Feb-91 | 03-Mar-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-3 | 18-Mar-91 | 24-Mar-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-4 | 19-Jan-91 | 23-Jan-91 | <50. | 1.0 | 0.8 | 3.1 | 4.2 |
| RMC-4 | 20-Feb-91 | 03-Mar-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| RMC-4 | 18-Mar-91 | 24-Mar-91 | <50. | 0.85 | 4.4 | <0.5 | 2.3 |
| TB | ---- | 24-Mar-91 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |

CURRENT REGIONAL WATER QUALITY CONTROL BOARD MAXIMUM CONTAMINANT LEVELS

Benzene 1.0 ppb  Xylenes 1,750 ppb  Ethylbenzene 680 ppb

CURRENT DHS ACTION LEVELS

Toluene 100 ppb

TPH-D = Total Petroleum Hydrocarbons calculated as Diesel
PPB = Parts Per Billion
TB = Trip Blank

Note: 1. All data shown as <x are reported as ND (none detected).
2. DHS Action Levels and MCL are subject to change pending State review.
3. For chemical parameter detection limits, refer to NET Pacific Laboratory reports.
4. Refer to NET Pacifc Laboratory reports for analysis dates of BTEX compounds.

TABLE 3

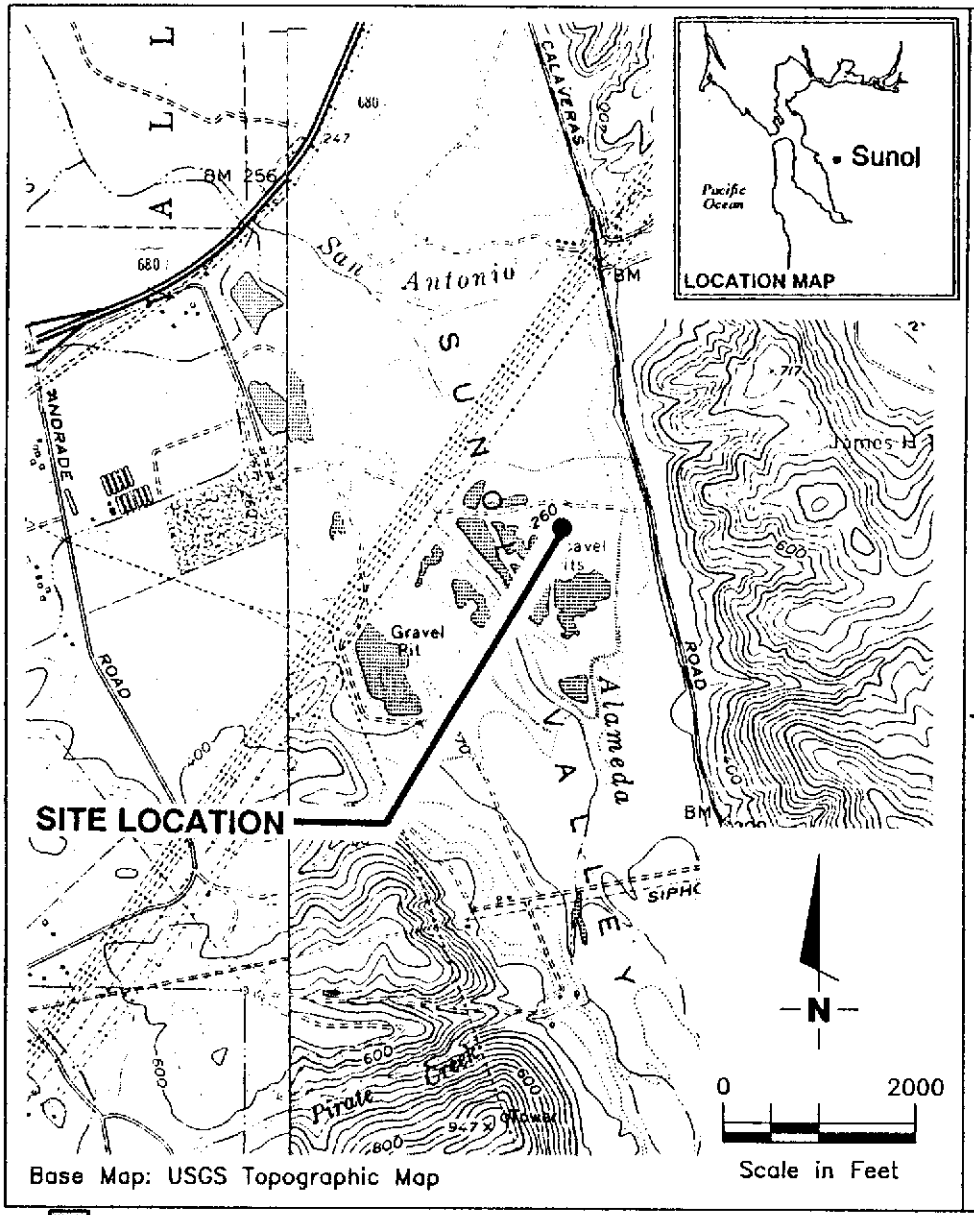
HISTORICAL GROUND-WATER QUALITY DATABASE

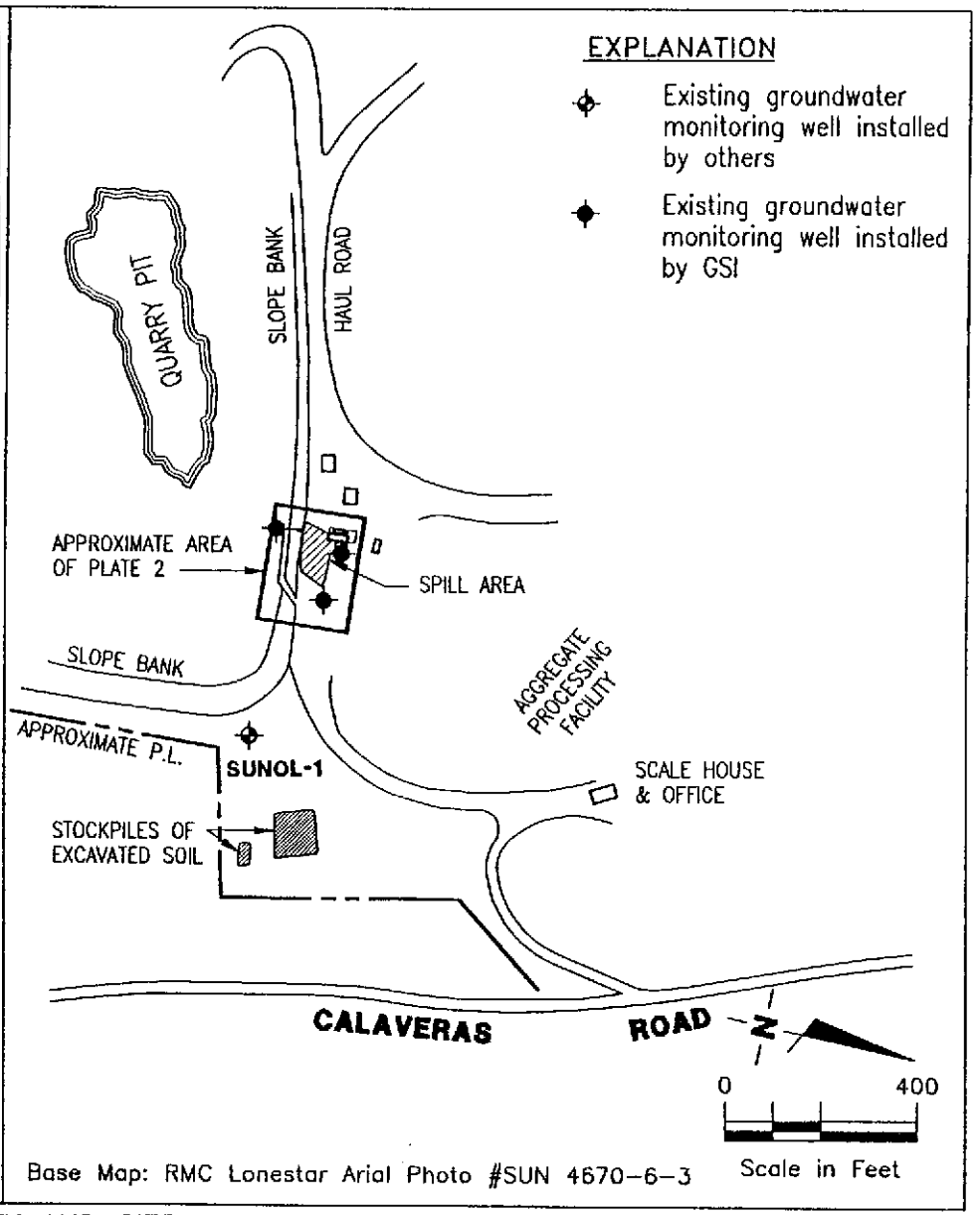
| SAMPLE DATE | SAMPLE POINT | TPH-D (PPB) | BENZENE (PPB) | TOLUENE (PPB) | ETHYLBENZENE (PPB) | XYLENES (PPB) |
|---|---|---|---|---|---|---|
| 05-Oct-90 | RMC-2 | <60. | ---- | ---- | ---- | ---- |
| 19-Jan-91 | RMC-2 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 20-Feb-91 | RMC-2 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 18-Mar-91 | RMC-2 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 05-Oct-90 | RMC-3 | <50. | ---- | ---- | ---- | ---- |
| 19-Jan-91 | RMC-3 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 20-Feb-91 | RMC-3 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 18-Mar-91 | RMC-3 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 05-Oct-90 | RMC-4 | <50. | ---- | ---- | ---- | ---- |
| 19-Jan-91 | RMC-4 | <50. | 1.0 | 0.8 | 3.1 | 4.2 |
| 20-Feb-91 | RMC-4 | <50. | <0.5 | <0.5 | <0.5 | <0.5 |
| 18-Mar-91 | RMC-4 | <50. | 0.83 | 4.4 | <0.5 | 2.3 |

Current Regional Water Quality Control Board Maximum Contaminant Levels
Benzene 1. ppb Xylenes 1750. ppb Ethylbenzene 680. ppb

Current DHS Action Levels Toluene 100.0 ppb

TPH-G = Total Petroleum Hydrocarbons calculated as Gasoline
PPB = Parts Per Billion
NOTE: 1. DHS Action levels and MCL's are subject to change pending State of California review.
2. All data shown as <X are reported as ND (none detected).




GeoStrategies Inc.

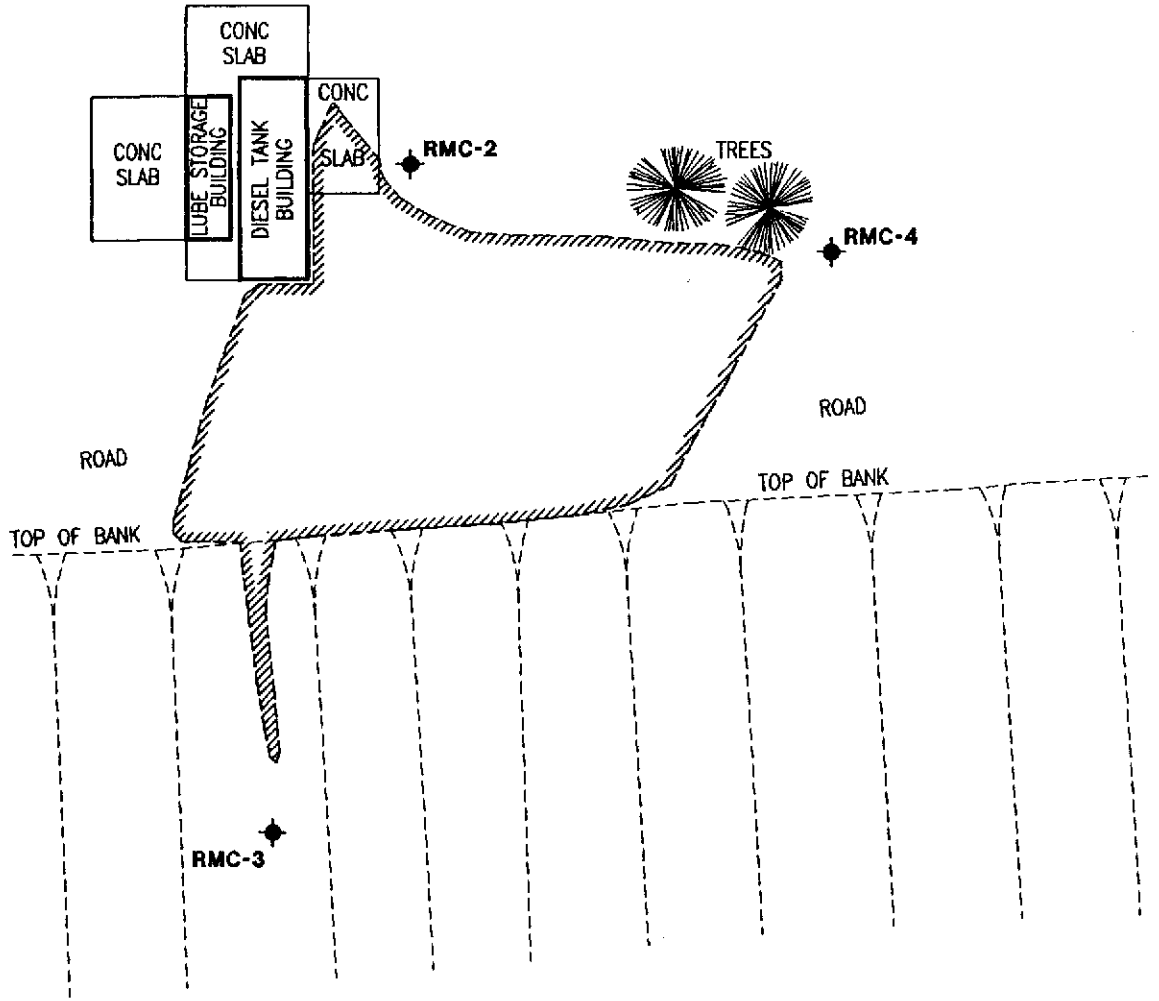
VICINITY AND SITE LOCATION MAPS
RMC Lonestar
6527 Calaveras Road
Sunol, California

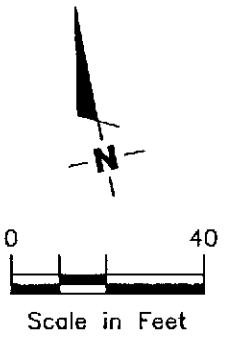
PLATE
1

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 7004 | SIC | 9/90 | |

## EXPLANATION

Approximate surface extent of RMC spill



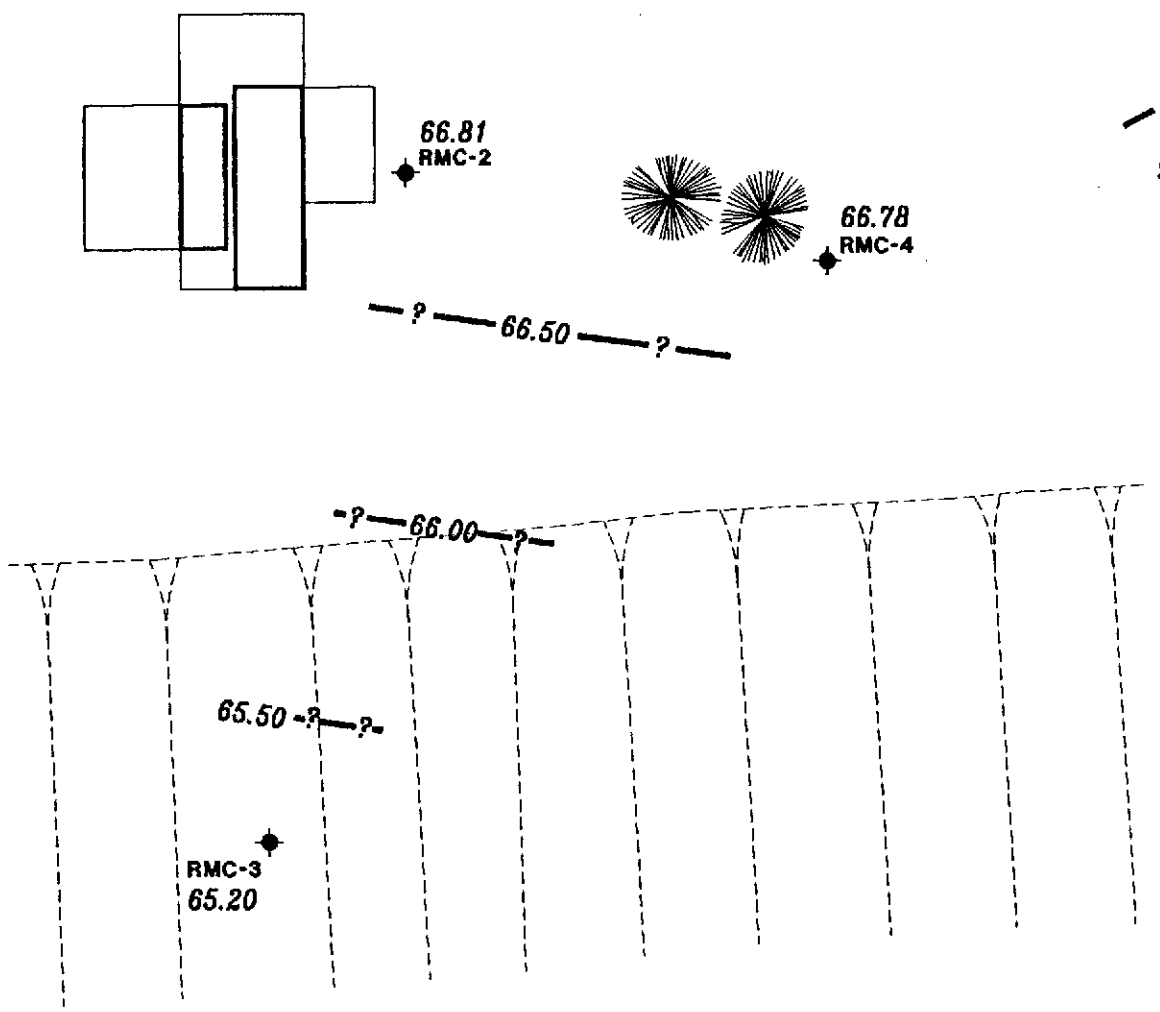

Base Map: Field observations

GeoStrategies Inc.

**SITE PLAN**
RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE **2**

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401-4 | JGW | 5/91 | |




EXPLANATION

- Ground-water monitoring well
- 99.99 — Ground-water elevation contour
  Approximate Gradient = 0.011
- 99.99 — Ground-water elevation in feet referenced to Project Datum measured on January 19, 1991

Note: Contours may be influenced by irrigation practices and/or site construction activities.

N

0 40

Scale in Feet

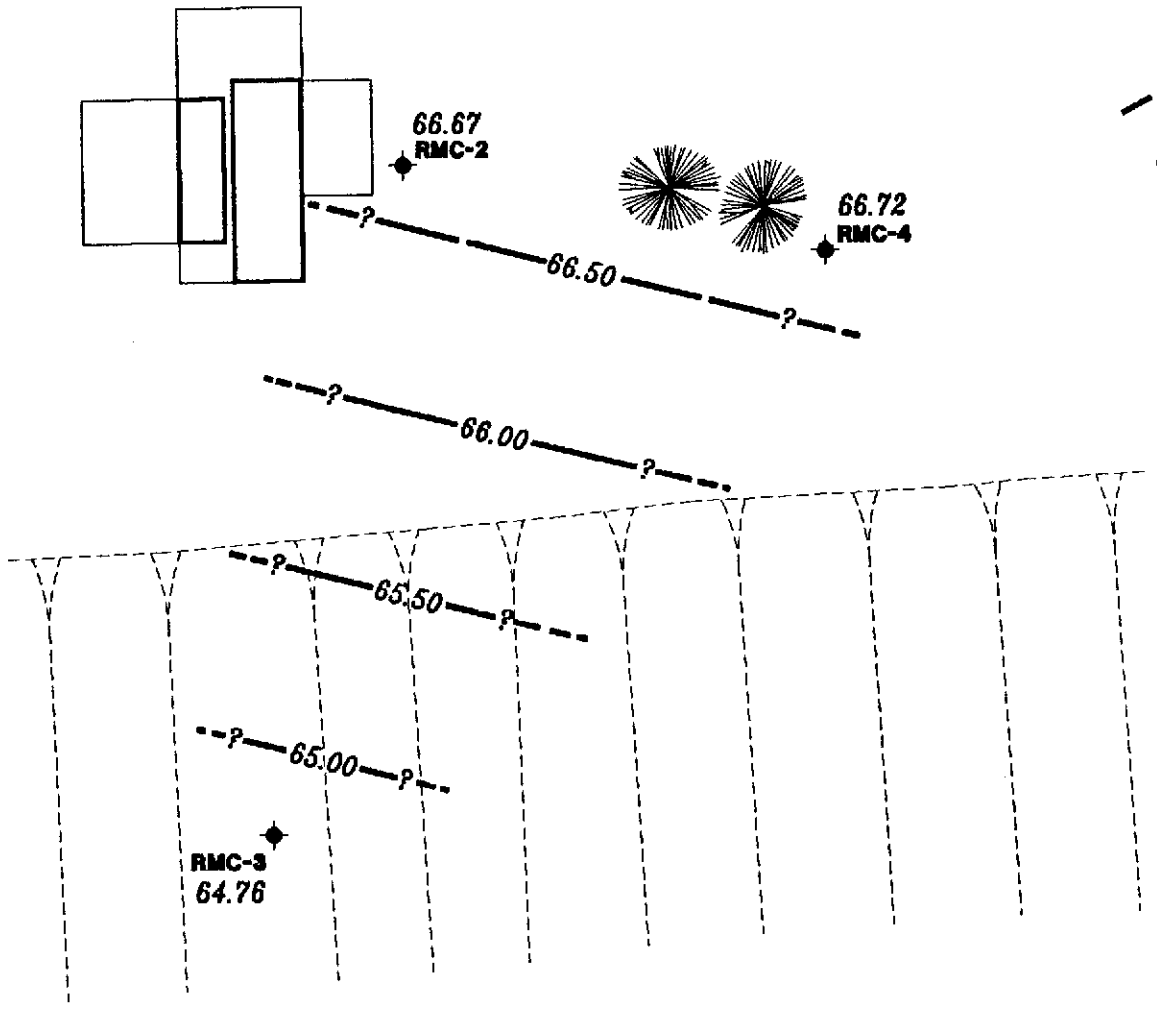
Base Map: Field observations

GeoStrategies Inc.

**POTENTIOMETRIC MAP (January 19, 1991)**
RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE
**3**

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401-4 | | 5/91 | |




## EXPLANATION

- Ground–water monitoring well
- 99.99 — Ground–water elevation contour Approximate Gradient = 0.013
- 99.99 — Ground–water elevation in feet referenced to Project Datum measured on February 20, 1991

Note: Contours may be influenced by irrigation practices and/or site construction activities.

N

0 40

Scale in Feet

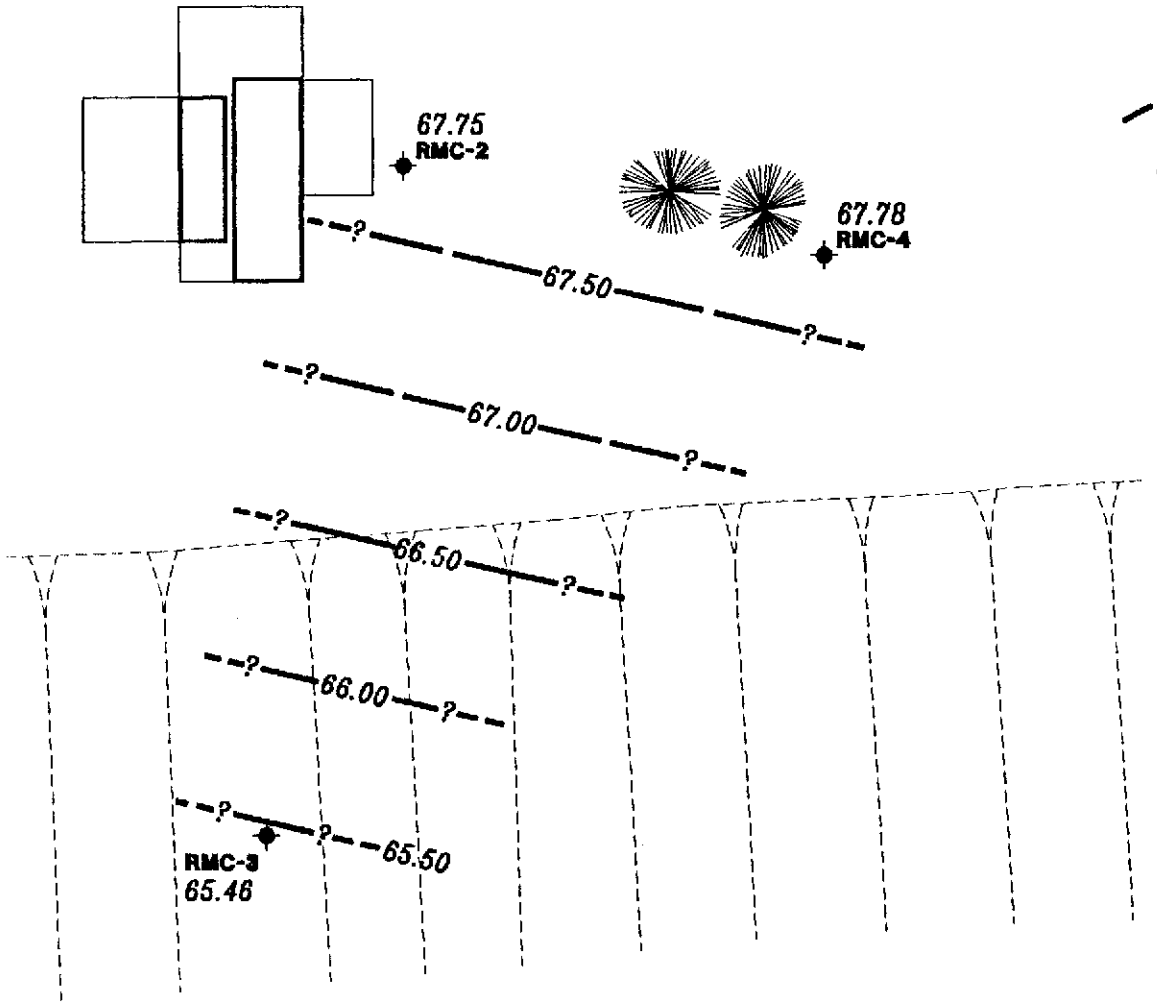
Base Map: Field observations

GeoStrategies Inc.

**POTENTIOMETRIC MAP (February 20, 1991)**
RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE **4**

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401–4 | JFW | 5/91 | |




## EXPLANATION

- Ground-water monitoring well
- 99.99 — Ground-water elevation contour Approximate Gradient = 0.016
- *99.99* — Ground-water elevation in feet referenced to Project Datum measured on March 18, 1991

Note: Contours may be influenced by irrigation practices and/or site construction activities.

N

0 40

Scale in Feet

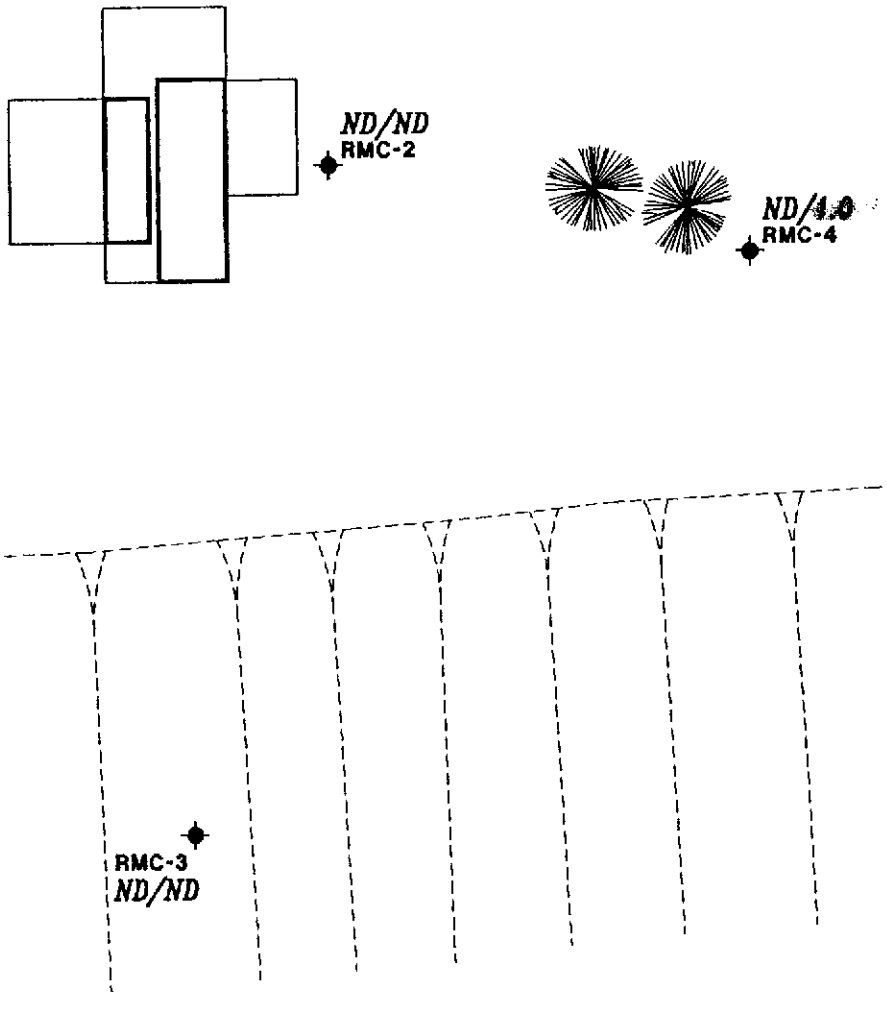
Base Map: Field observations

GeoStrategies Inc.

**POTENTIOMETRIC MAP (March 18, 1991)**
RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE **5**

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401-4 | | 5/91 | |




EXPLANATION

- ✦ Ground-water monitoring well
- *99/9.9* TPH-D (Total Petroleum Hydrocarbons calculated as Diesel)/Benzene concentrations in ppb sampled on [redacted]
- *ND* Not Detected (See laboratory reports for detection limits)

Base Map: Field observations

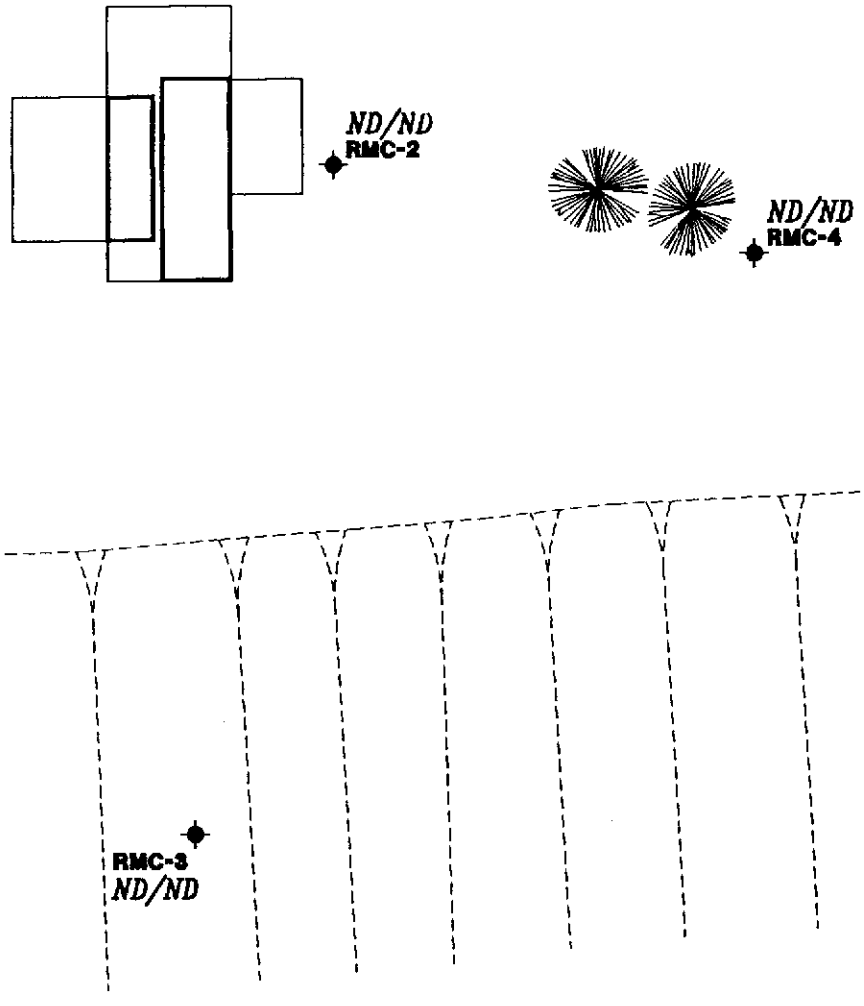
GeoStrategies Inc.

# TPH-D/BENZENE CONCENTRATION MAP (January 19, 1991)

RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE **6**

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401-4 | | 5/91 | |




EXPLANATION

- ✦ Ground-water monitoring well
- *99/9.9* TPH-D (Total Petroleum Hydrocarbons calculated as Diesel)/Benzene concentrations in ppb sampled on [redacted], 1991
- *ND* Not Detected (See laboratory reports for detection limits)

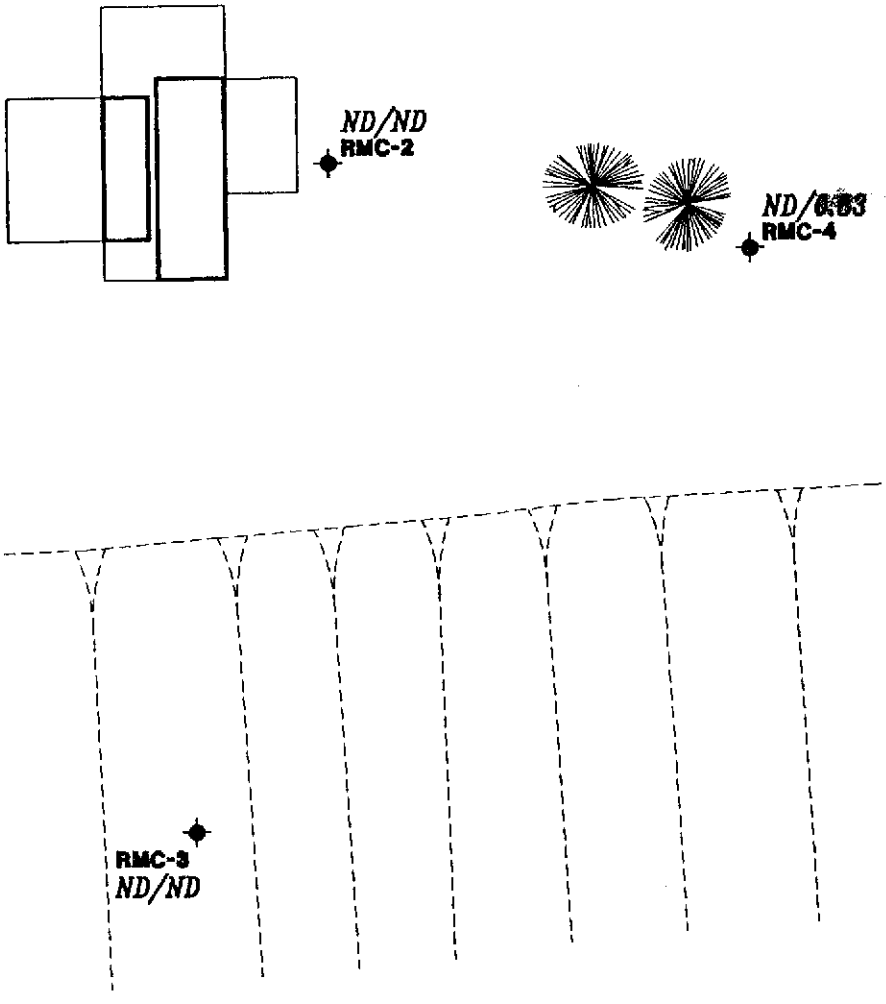
Base Map: Field observations

GeoStrategies Inc.

TPH-D/BENZENE CONCENTRATION MAP (February 20, 1991)
RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE 7

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401-4 | JFV | 5/91 | |




EXPLANATION

| | |
|---|---|
| ✦ | Ground-water monitoring well |
| *99/9.9* | TPH-D (Total Petroleum Hydrocarbons calculated as Diesel)/Benzene concentrations in ppb sampled on [redacted] |
| *ND* | Not Detected (See laboratory reports for detection limits) |

Base Map: Field observations

GeoStrategies Inc.

TPH-D/BENZENE CONCENTRATION MAP (March 18, 1991)
RMC Lonestar
6527 Calaveras Road
Sunol, California

PLATE
8

| JOB NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 700401-4 | JCV | 5/91 | |

# APPENDIX A
# ANALYTICAL LABORATORY REPORT
# CHAIN-OF-CUSTODY

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623



Louis Schipper
RMC Lonestar
P.O. Box 5252
6601 Koll Center Pkwy
Pleasanton, CA 94566

Date: 03-07-91
NET Client Acct No: 674
NET Pacific Log No: 6207
Received: 02-22-91 0800

Client Reference Information

6527 Calaveras Rd, Sunol

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

cc: Tom Paulsen
Gettler Ryan
2150 West Winton Ave
Hayward, CA 94545

JS:rct
Enclosure(s)

NET Pacific, Inc.

Client No: 674
Client Name: RMC Lonestar
NET Log No: 6207

Date: 03-07-91
Page: 2

Ref: 6527 Calaveras Rd, Sunol

| Parameter | Method | Reporting Limit | Descriptor, Lab No. and Results RMC-2 02-20-91 1405 77649 | RMC-3 02-20-91 1345 77650 | Units |
|---|---|---|---|---|---|
| PETROLEUM HYDROCARBONS | | | -- | -- | |
| VOLATILE (WATER) | | | -- | -- | |
| DILUTION FACTOR * | | | 1 | 1 | |
| DATE ANALYZED | | | 03-03-91 | 03-03-91 | |
| METHOD 602 | | | -- | -- | |
| Benzene | | 0.5 | ND | ND | ug/L |
| Ethylbenzene | | 0.5 | ND | ND | ug/L |
| Toluene | | 0.5 | ND | ND | ug/L |
| Xylenes, total | | 0.5 | ND | ND | ug/L |
| PETROLEUM HYDROCARBONS | | | -- | -- | |
| EXTRACTABLE (WATER) | | | -- | -- | |
| DILUTION FACTOR * | | | 1 | 1 | |
| DATE EXTRACTED | | | 02-26-91 | 02-26-91 | |
| DATE ANALYZED | | | 02-26-91 | 02-27-91 | |
| METHOD GC FID/3510 | | | -- | -- | |
| as Diesel | | 0.05 | ND | ND | mg/L |

NET Pacific, Inc.

Client No: 674
Client Name: RMC Lonestar
NET Log No: 6207

Date: 03-07-91
Page: 3

Ref: 6527 Calaveras Rd, Sunol

| Parameter | Method | Reporting Limit | Descriptor, Lab No. and Results<br>RMC-4<br>02-20-91<br>1255<br>77651 | Units |
|---|---|---|---|---|
| PETROLEUM HYDROCARBONS | | | -- | |
| VOLATILE (WATER) | | | -- | |
| DILUTION FACTOR * | | | 1 | |
| DATE ANALYZED | | | 03-03-91 | |
| METHOD 602 | | | -- | |
| Benzene | | 0.5 | ND | ug/L |
| Ethylbenzene | | 0.5 | ND | ug/L |
| Toluene | | 0.5 | ND | ug/L |
| Xylenes, total | | 0.5 | ND | ug/L |
| PETROLEUM HYDROCARBONS | | | -- | |
| EXTRACTABLE (WATER) | | | -- | |
| DILUTION FACTOR * | | | 1 | |
| DATE EXTRACTED | | | 02-26-91 | |
| DATE ANALYZED | | | 02-27-91 | |
| METHOD GC FID/3510 | | | -- | |
| as Diesel | | 0.05 | ND | mg/L |

Getter - Ryan Inc. ENVIRONMENTAL DIVISION Chain of Custody

COMPANY RMC JOB NO.

JOB LOCATION

CITY PHONE NO.

AUTHORIZED DATE P.O. NO.

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE MATRIX | DATE/TIME SAMPLED | ANALYSIS REQUIRED | SAMPLE CONDITION LAB ID |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

RELINQUISHED BY:

RECEIVED BY: Mike Thomas 11:20AM 3/21/91

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY LAB:

DESIGNATED LABORATORY: NET DHS #:

REMARKS:

DATE COMPLETED FOREMAN

JOB FILE

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623



Louis Schipper
RMC Lonestar
P.O. Box 5252
6601 Koll Center Pkwy
Pleasanton, CA 94566

Date: 03-29-91
NET Client Acct No: 674
NET Pacific Log No: 6567
Received: 03-18-91 1550

Client Reference Information

6527 Calaveras Road

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

cc: Tom Paulsen
Gettler-Ryan Inc.
2150 Winton Ave.
Hayward, CA 94545

JS:rct
Enclosure(s)

NET Pacific, Inc.

Client No: 674
Client Name: RMC Lonestar
NET Log No: 6567

Date: 03-29-91
Page: 2

Ref: 6527 Calaveras Road

| Parameter | Method | Reporting Limit | Descriptor, Lab No. and Results RMC-2 03-18-91 1035 80142 | RMC-3 03-18-91 1018 80143 | Units |
|---|---|---|---|---|---|
| PETROLEUM HYDROCARBONS | | | -- | -- | |
| VOLATILE (WATER) | | | -- | -- | |
| DILUTION FACTOR * | | | 1 | 1 | |
| DATE ANALYZED | | | 03-22-91 | 03-22-91 | |
| METHOD 602 | | | -- | -- | |
| Benzene | | 0.5 | ND | ND | ug/L |
| Ethylbenzene | | 0.5 | ND | ND | ug/L |
| Toluene | | 0.5 | ND | ND | ug/L |
| Xylenes, total | | 0.5 | ND | ND | ug/L |
| PETROLEUM HYDROCARBONS | | | -- | -- | |
| EXTRACTABLE (WATER) | | | -- | -- | |
| DILUTION FACTOR * | | | 1 | 1 | |
| DATE EXTRACTED | | | 03-20-91 | 03-20-91 | |
| DATE ANALYZED | | | 03-24-91 | 03-24-91 | |
| METHOD GC FID/3510 | | | -- | -- | |
| as Diesel | | 0.05 | ND | ND | mg/L |

NET Pacific, Inc.

Client No: 674
Client Name: RMC Lonestar
NET Log No: 6567

Date: 03-29-91
Page: 3

Ref: 6527 Calaveras Road

| Parameter | Method | Reporting Limit | Descriptor, Lab No. and Results: RMC-4 03-18-91 0936 80144 | trip blank 03-18-91 80145 | Units |
|---|---|---|---|---|---|
| PETROLEUM HYDROCARBONS | | | -- | -- | |
| VOLATILE (WATER) | | | -- | -- | |
| DILUTION FACTOR * | | | 1 | 1 | |
| DATE ANALYZED | | | 03-23-91 | 03-22-91 | |
| METHOD 602 | | | -- | -- | |
| Benzene | | 0.5 | 0.83 | ND | ug/L |
| Ethylbenzene | | 0.5 | ND | ND | ug/L |
| Toluene | | 0.5 | 4.4 | ND | ug/L |
| Xylenes, total | | 0.5 | 2.3 | ND | ug/L |
| PETROLEUM HYDROCARBONS | | | -- | -- | |
| EXTRACTABLE (WATER) | | | -- | -- | |
| DILUTION FACTOR * | | | 1 | 1 | |
| DATE EXTRACTED | | | 03-20-91 | 03-20-91 | |
| DATE ANALYZED | | | 03-24-91 | 03-24-91 | |
| METHOD GC FID/3510 | | | -- | -- | |
| as Diesel | | 0.05 | ND | ND | mg/L |

NET Pacific, Inc.

# KEY TO ABBREVIATIONS and METHOD REFERENCES

| | | |
|---|---|---|
| < | : | Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit. |
| * | : | Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values). |
| ICVS | : | Initial Calibration Verification Standard (External Standard). |
| mean | : | Average; sum of measurements divided by number of measurements. |
| mg/Kg (ppm) | : | Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million). |
| mg/L | : | Concentration in units of milligrams of analyte per liter of sample. |
| mL/L/hr | : | Milliliters per liter per hour. |
| MPN/100 mL | : | Most probable number of bacteria per one hundred milliliters of sample. |
| N/A | : | Not applicable. |
| NA | : | Not analyzed. |
| ND | : | Not detected; the analyte concentration is less than applicable listed reporting limit. |
| NTU | : | Nephelometric turbidity units. |
| RPD | : | Relative percent difference, 100 [Value 1 - Value 2]/mean value. |
| SNA | : | Standard not available. |
| ug/Kg (ppb) | : | Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion). |
| ug/L | : | Concentration in units of micrograms of analyte per liter of sample. |
| umhos/cm | : | Micromhos per centimeter. |

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

**Gettler - Ryan Inc.** 6567 ENVIRONMENTAL DIVISION **Chain of Custody**

COMPANY RNIC / Comstar JOB NO.

JOB LOCATION 6567 Calaveras Rd

CITY Sunol CA PHONE NO.

AUTHORIZED Tom Paulsen DATE 3-18-91 P.O. NO. 3069.01

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE MATRIX | DATE/TIME SAMPLED | ANALYSIS REQUIRED | SAMPLE CONDITION LAB ID |
|---|---|---|---|---|---|
| RNIC-2 | 6 | Liquid | 3-18-91/10:35 | TPH (Diesel) BTXE | |
| RNC-3 | 6 | | 10:18 | | |
| RNC-4 | 6 | | 9:36 | | OK |
| TVIP | 3 | | | | |

Bill to RNIC/Comstar
Pleasanton

RELINQUISHED BY: 3-18-90 15:30 RECEIVED BY:

RELINQUISHED BY: RECEIVED BY:

RELINQUISHED BY: RECEIVED BY LAB: J Schwartz 3/18/91 1550

DESIGNATED LABORATORY: NET Pacific DHS #:

REMARKS: Normal TAT

DATE COMPLETED 3-18-91 FOREMAN