



Subsurface Consultants, Inc.

COPY

September 15, 2000
SCI 133.009

Doug Herman
Associate Port Environmental Scientist
530 Water Street
Oakland, California 94604-2064

**Groundwater Monitoring Program
Ninth Avenue Terminal
Port of Oakland
Oakland, California**

Dear Mr. Herman:

In response to the Alameda County Health Care Services Agency's (ACHCSA) comments and recommendations in their letters dated, July 11 and 27, 2000, Subsurface Consultants, Inc. (SCI) has amended the Groundwater Monitoring Program as shown on the attached tables. ~~SCI is~~ prepared to conduct the annual monitoring event in October 2000. This event will include the following:

- Measure water levels in all wells,
- Check and measure wells and manholes for free product,
- Purge any accumulated free product observed,
- Obtain samples for various analyses as outlined in the Groundwater Monitoring Program

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If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.


Jeriann Alexander
Project Manager

ES:JNA 133.009\GWMonitoringProgram Sept 2000

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Attachments: Groundwater Monitoring Program, September 2000

cc: Ms. Michelle Heffes, Port of Oakland - Environmental Health and Safety Compliance
Mr. Jonathan Redding, Wendel, Rosen, Black & Dean, LLP
Ms. Diane Mims, URS Greiner Woodward Clyde

**Groundwater Monitoring Program
Ninth Avenue Terminal, Port of Oakland
September 2000**

| Monitoring Well ID | TVH/BTEX (EPA 8015m/8020) | TEHd, mo (8015m; w/ silica gel clean-up) | VOCs (EPA 8260/8240 list) | PNAs (EPA 8270; Filtered) | Pesticides (EPA 8080) | Heavy Metals Filtered (EPA 6010/7000; Filtered) | Field Parameters | Water Levels | Free Product Removal | Comments* |
|--------------------|---------------------------|--|---------------------------|---------------------------|-----------------------|---|------------------|--------------|----------------------|--------------|
| MW-1 ✓ | | | | | | | | | | Abandon Well |
| MW-2 | | A | | | | | A | SA | | |
| MW-3 | | A | MTBE ✓ | | | | A | SA | | |
| MW-4 | A | A | MTBE ✓ | | | | A | SA | SA | |
| MW-5 | SA (No TVH) | SA | MTBE ✓ | | | | SA | SA | | |
| MW-6 | A | A, if FP not present | MTBE | | | | | SA | SA | |
| MW-7 ✓ | | | | | | | | SA | | |
| SCIMW-1 | | A | | | | | A | SA | | |
| SCIMW-2 ✓ | | SA ✓ | | | | SA | SA | SA | | |
| SCIMW-3 | | A | | | | | A | SA | | |
| SCIMW-4 ✓ | | | | | | | | SA | | |
| SCIMW-5 ✓ | | | | | | | | | | Abandon Well |
| SCIMW-6 ✓ | | | | | | | | SA | | |
| SCIMW-7 | | A | SA | | SA | | SA | SA | | |
| SCIMW-8 | | A | | | | | A | SA | | |
| SCIMW-9 | | A | | | | | A | SA | | |
| SCIMW-10 | | A | | | | | A | SA | | |
| SCIMW-11 ✓ | SA | | | | | | | SA | | |

Same →

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|--------------------|---------------------------|--|---------------------------|---------------------------|-----------------------|---|------------------|--------------|----------------------|--------------|
| SCIMW-12 ✓ | | | | | | | | SA | | |
| SCIMW-13 | | A | | | | | A | SA | | |
| SCIMW-14 ✓ | | | | | | | | | | Abandon Well |
| SCIMW-15 | | SA | | | | | SA | SA | | |
| SCIMW-16 ✓ | | | | | | | | SA | | |
| SCIMW-17 ✓ | | | | | | | | | | Abandon Well |
| SCIMW-18 | | A | | | | | A | SA | | |
| SCIMW-19 ✓ | | | | | | | | SA | | |
| SCIMW-20 ✓ | | | | | | | | | | Abandon Well |
| SCIMW-21 | | A | MTBE ✓ | | | | A | SA | | |
| SCIMW-22 | | A | | | | | SA | SA | | |
| SCIMW-23 | | SA | | | | | SA | SA | | |
| SCIMW-24 | SA | SA | | | A | | SA | SA | | |
| SCIMW-25 ✓ | | | | | | | | | | Abandon Well |
| SCIMW-26 | | A | MTBE ✓ | | | | A | SA | | |
| SCIMW-27 ✓ | | | | | | | | SA | | |
| SCIMW-28 | | A | | | | SA | SA | SA | | |
| SCIMW-29 | | | MTBE ✓ | | | | | SA | | |
| SCIMW-30 | | A | SA | | | | SA | SA | | |
| SCIMW-31D | | | SA | | | | SA | SA | | |

A107
S10 3335

or Environ (RA)

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|-------------------------|--------------------------------------|---|-------------------------------------|---------------------------------|--------------------------|---|---------------------|-----------------|----------------------------|-----------|
| SCIMW-32 ✓ | | ✓ | | | | | | SA | | |
| SCIMW-33 | | A | SA | | A | | SA | SA | | |
| SCIMW-34 STID 5067 ✓ | SA | 405 SA | MTBE ✓ | SA | | SA (Cd, Cr, Ni, Zn only) | SA | SA | | |
| SCIMW-35 STID 5067 ✓ | A | - Oct | | | | | | SA | | |

Notes:

* - Wells to be abandoned in the future

Q = Quarterly - conducted each quarter

SA = Conducted semi-annually

A = Conducted annually

TVH = Total Volatile Hydrocarbons

BTEX = Benzene, Toluene, Ethylbenzene and total Xylenes

TEH = Total Extractable Hydrocarbons

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PCBs = Polychlorinated Biphenyls

TDS = Total Dissolved Solids

Obtain one duplicate VOC sample semi-annually for QA/QC

Ann rep Mid to Late Dec.