SAFETY SPECIALISTS, Inc.
The Full Service Environmental Health & Safety Corporation

P.O. Box 4420, Santa Clara, CA 95054
Telephone (408) 988-1111
Contractor's License No. 460905

December 26, 1989

Mr. Fred Houston
Winning Action Investments, Inc.
7080 Donlen Way
Dublin, CA 94568

Reference: Safety Specialists, Inc., Project Number 530138

Dear Mr. Houston:

Safety Specialists, Inc., is pleased to submit this up-to-date summary of work performed at the American City Truck Stop facility in Dublin, California. The report includes soil and groundwater monitoring and/or cleanups.

The excavated soils, having oil and grease contaminant level below 1000 Parts Per Million is being treated on site (bioremediation). When the contaminants level in the soil is below 100 ppm, it would be disposed of as non-hazardous waste (Class III landfill). Meanwhile, the contaminated portion of the stockpile (above 1000 ppm of oil and grease) is to be profiled, manifested, and hauled by a hazardous hauler to a Class I landfill.

GROUNDWATER SAMPLING

On December 7, 1989, Safety Specialists, Inc.'s, personnel collected three groundwater samples from the three existing groundwater monitoring wells (MW-1, MW-2, and MW-3) located at the American City Truck Stop facility in Dublin, California. Before purging, the groundwater level was measured in each well using a stainless steel graduated tape with attached sounding device.

Before sampling, each well was purged using a gas (nitrogen) driven bladder pump until the pH, conductivity and temperature measurements stabilized and/or until the groundwater was observed to be relatively free of sandy silt and/or other materials. Tables 1, 2, and 3, attached, list the pH, conductivity and groundwater temperature measurements for each well during the purging operation.

Prior to collection of groundwater samples, the bailer was cleaned with a trisodium phosphate solution, followed by a thorough rinse with distilled water. Samples were collected in 40 milliliter volatile organic analysis (VOA) bottles fitted with teflon lined screw type caps, and in one-liter amber bottles. The samples were placed in a cooler with ice and sent to a State-certified laboratory, accompanied by the chain of custody record.

LABORATORY ANALYSIS:

1. Water Samples MWB and MWC, collected from groundwater monitoring wells MW-1 and MW-3, respectively, were analyzed for Total Petroleum Hydrocarbons as gasoline and diesel including Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) using EPA Test Methods 5030/8015/602.

2. Water Sample MWA, collected from groundwater monitoring well MW-2, was analyzed for Total Petroleum Hydrocarbons as diesel using EPA Test Methods 3510/8015, Total Oil and Grease using EPA Test Methods 3550/gravimetric, and purgeable organics using EPA Test Method 8240.

RESULTS

A hard copy of the analytical results, as received from the analytical laboratory, is enclosed. For all samples, BTEX concentrations were below the instrument detection limit. Also sample MWA from well MW-2 has purgeable organics contaminants below the instrument detection limits.

However, TPH as diesel was detected in MW-A, MW-B, and MW-C in concentrations of 34, 60, and 1.7 parts per million (ppm), respectively. There was no contamination due to gasoline in samples MW-B and MW-C. Total Oil and Grease concentration in sample MW-A was 95 ppm.

Safety Specialists, Inc., recommends: 1) continuous monitoring of the monitoring wells, and, 2) start (as soon as possible) groundwater cleanup programs.

We will be pleased to present a proposal for groundwater remediation, upon request. Should you have any questions or need additional information, please to contact us.

Sincerely,

Safety Specialists, Inc.

Rasmi El-Jurf
Environmental Engineer
Environmental Engineering Services

Reviewed By:
Kenneth L. Meleen, P.E.
Registered Civil Engineer
License No. C 17487
License Expires 06/30/93

REJ:aej

Attachment(s)

TABLE 1

This table details the pH, conductivity, and temperature measured while sampling groundwater monitoring well MW-1.

Time Interval (min.)	pH	Micro-Siemens/cm	Temperature (°C)
Start	6.2	6.0×10^3	24.0
5	6.3	6.18×10^3	23.5
5	6.4	6.1×10^3	21.8
10	6.4	6.2×10^3	21.0
10	6.4	6.2×10^3	21.0
5	6.4	6.2×10^3	21.0

Depth to groundwater = 9.34 feet

TABLE 2

This table details the pH, conductivity, and temperature measured sampling groundwater monitoring well MW-2.

Time Interval (min.)	pH	Micro-Siemens/cm	Temperature (°C)
Start	6.1	6.0×10^3	23.5
5	6.3	6.1×10^3	22.4
10	6.4	6.1×10^3	21.0
10	6.4	6.2×10^3	21.0
5	6.4	6.2×10^3	21.0

Depth to groundwater = 9.21 feet

TABLE 3

Time Interval (min.)	pH	Micro-Siemens/cm	Temperature (°C)
Start	6.0	6.9×10^3	20.5
5	6.2	7.0×10^3	21.4
5	6.2	7.0×10^3	21.7
10	6.2	7.0×10^3	21.0
10	6.2	7.0×10^3	21.0
10	6.2	7.0×10^3	21.0

Depth to groundwater = 9.10 feet

The Gill Service Environmental, Health & Safety Corporation
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CHAIN OF SAMPLE CUSTODY RECORD

Collector: Chemi Date Sampled: 12/07/89 Time: PM

Location of Sampling: American Auto Truck Stop
Dublin, CA

Project Number: 530138 Survey Number: E263-89

Sample Type: water

Container Type and Condition: VOA + AMBER

Contract Laboratory Record/Name: CHROMALAB

Sample ID	Field Information
MW-A	Water Samples @ MW 2
MW-B	" " @ MW 1
MW-C	" " @ MW 3

Analysis Requested: MW-A - Diesel / TOG / 8240
MWB, C - Gas / Diesel / BTX

Results Needed By:

Travel Blank:	☐ Yes ☒ No	Travel Blank to be Analyzed Separately:	☐ Yes ☒ No
Duplicate Samples:	☐ Yes ☒ No	Duplicates to be Analyzed Separately:	☐ Yes ☒ No
Field Blank:	☐ Yes ☒ No	Field Blank to be Analyzed Separately:	☐ Yes ☒ No
Background Soil Sample:	☐ Yes ☒ No	Background Soil Sample to be Analyzed Separately:	☐ Yes ☒ No

Chain of Custody:

1. Field Personnel		12/7/89 Date
2. Courier		Date
3. Lab		12-7-89 - 16:45 Date

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#238)
- Drinking Water (#955)
- Waste Water
- Consultation

December 15, 1989 ChromaLab File No.: 1289044

SAFETY SPECIALISTS, INC.

Attn: Rasmi

RE: Three water samples for Gasoline/BTEX, Diesel and Oil & Grease analyses

Project No.: N/A
Survey No.: N/A
Analysis Duration: December 8-13, 1989

RESULTS:

Sample No.	Gasoline (mg/L)	Diesel (mg/L)	Oil & Grease (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
MW-A MW2	----	34	95	----	----	----	----
MW-B MW1	N.D.	60	----	N.D.	N.D.	N.D.	N.D.
MW-C MW3	N.D.	1.7	----	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	87.3%	109.4%	----	82.6%	89.5%	84.6%	104.1%
DETECTION LIMIT	0.5	0.5	5	1	1	1	1
METHOD OF ANALYSIS	MOD. 8015	MOD. 8015	503 D&E	602	602	602	602

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
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- Environmental Analysis
- Hazardous Waste (#238)
- Drinking Water (#955)
- Waste Water
- Consultation

December 15, 1989

ChromaLab File # 1289044 A

Client: Safety Specialists, Inc. Attn: Rasmi
Date Submitted: Dec. 7 , 1989
Date of Analysis: Dec. 14, 1989

Project No: N/A Survey No: N/A
Sample I.D.: MW-A
Method of Analysis: EPA 8240 Detection Limit: 4 µg/l

COMPOUND NAME	µg/l	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	96.3%
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
BENZENE	N.D.	93.1%
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
TOLUENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	91.1%
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	83.0%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---
TOTAL XYLENES	N.D.	---

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

89 DEC 18 AM 11:23

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