HK2, INC./SEMCO
70 CHEMICAL WAY • REDWOOD CITY, CALIFORNIA 94063 • (650) 261-1968 • (650) 261-0735 FAX
GENERAL ENGINEERING & ENVIRONMENTAL CONTRACTORS • LICENSE NO. 719103 (A, B, C57/C61-D40, HAZ. ASB)

June 16, 1999

Ms. Eva Chu
Alameda County Health Care Services Agency (ACHCSA)
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: First Quarter 1999 Groundwater Sampling Activities at Scooter's Auto Repair, 3600 MacArthur Boulevard, Oakland, California (SEMCO Project 99-0101)

Dear Ms. Chu:

This report summarizes the first quarter 1999 groundwater monitoring and sampling activities performed at Scooter's Auto Repair facility located at 3600 MacArthur Boulevard in Oakland, California. The site location is shown in Figure 1. Figure 2 is a site plan. The work was requested by the ACHCSA in a letter dated December 16, 1998. A copy of this letter is in Appendix A.

The site is on the southeastern corner of the intersection of MacArthur Boulevard and Magee Avenue in Oakland, California. It lies approximately 0.2 mile northeast of Interstate 580 and 0.5 mile northwest of High Street. The site elevation is approximately 200 feet above mean sea level (NGVD, 1929). It is approximately 0.23 acre in area and currently owned by the Estate of Mr. Henry Hall (Alameda County Assessor's Parcel Number 30-1903-15-1). The property is currently used as an automobile repair facility. Mr. Hall operated the site as a service station from approximately 1973 to 1988. Prior to this, the site was a Phillips 66 service station. Underground storage tanks used to store gasoline, diesel, and waste oil existed on site until March 1994. The site is zoned for commercial use. The surrounding parcels are zoned for commercial (northwest and southwest) and residential (northeast and southeast) use.

The subject property lies in the East Bay Plain groundwater basin. Groundwater in this basin is designated beneficial for municipal, industrial, and agricultural uses according to the Water Quality Control Plan prepared by the California Regional Water Quality Control Board (CRWQCB; 1995).

During preliminary site assessment activities in October and November, 1998, SEMCO installed three groundwater monitoring wells at the site (MW-1 to MW-3; Figure 2). The wells were subsequently surveyed, monitored, and sampled. Additional details are provided in SEMCO's December 1998 Site Characterization Report.

GROUNDWATER MONITORING AND SAMPLING

On April 6, 1999, SEMCO measured the depth to groundwater in MW-1 through MW-3 with an electronic water level indicator, purged approximately 7 gallons of groundwater from each well with a diaphragm pump, then collected groundwater samples with a disposable bailer. A copy of the well monitoring and purging data is in Appendix A. Table 1 summarizes the fluid-level monitoring data collected to date from this well.

The samples were labeled, placed in an iced cooler, and transported to the state certified North State Environmental for analysis of total petroleum hydrocarbons (TPH) as gasoline (TPH-G; EPA Methods 5030/Modified 8015), TPH as diesel (TPH-D; EPA Methods 3510/Modified 8015), benzene, toluene, ethylbenzene, and total xylenes (BTEX; EPA Methods 5030/8020), and methyl tert-butyl ether (MTBE; EPA Methods 5030/8020). Table 2 summarizes the laboratory results of these analyses. The laboratory report and chain of custody record is in Appendix B.

WASTE DISPOSAL

The equipment wash and well purge water (approximately 30 gallons) was temporarily stored onsite in a 55-gallon drum. On April 9, 1999, Clearwater Environmental Management transported the drummed waste water to the Alviso Independent Oil disposal facility in Alviso, California. A copy of the waste manifest is in Appendix A.

FINDINGS

- The depth to groundwater (DTW) measured in MW-1 through MW-3 was between 1.43 and 2.91 feet below the top of well casing. No surface sheen or free product was observed in the bailer or groundwater samples.

- As noted in the appended Fluid-Level Monitoring Data sheet, the DTW in MW-3 was fluctuating during time of measurement. The DTW measured in MW-3 was 2.91 feet below the top of well casing and the relative groundwater elevation (Table 1 & Figure 2) was 199.20 feet, only 0.52 feet higher than the associated groundwater elevation measured in MW-3 during the November 1998 monitoring event. Compared to the differences in relative groundwater elevations reported during the current and previous monitoring events in MW-1 (1.48 feet) and MW-2 (1.42 feet), the difference in groundwater elevation in MW-3 suggests that the localized groundwater was unstable at that time and did not represent the actual groundwater elevation. Because of this, the groundwater gradient established for this monitoring period (gradient directed toward S18E at approximately 0.030 foot/foot) should not be considered during data evaluation.

- The groundwater sample collected in MW-1 contained 4.4 mg/l TPH-G, 0.320 mg/l benzene, 0.033 mg/l toluene, and 0.240 mg/l ethylbenzene and total xylenes. The TPH-D and MTBE concentrations measured in this sample were below the laboratory reporting limit (0.05 mg/l for TPH-D and 0.0005 mg/l for MTBE).

- The TPH-G, TPH-D, BTEX, and MTBE concentrations reported in the groundwater samples collected in MW-2 and MW-3 were below the laboratory reporting limits (0.050 mg/l for TPH-G and TPH-D, $\leq$ 0.001 mg/l for BTEX and MTBE).

- The dissolved-phase benzene concentration measured in MW-1 (March 1999) does not exceed the California 10^{-4} commercial Risk-Based Screening Levels listed in Designation E 1739-95 published by the American Society for Testing and Materials.

- Compared to the November 1998 groundwater monitoring and sampling event, the dissolved-phase TPH-G, benzene, and toluene concentrations in MW-1 have decreased, however, the benzene concentration continues to exceed the municipal supply numerical water quality objective (0.001 mg/l) listed in the Water Quality Control Plan prepared by the San Francisco Bay Region of the CRWQCB. The dissolved-phase hydrocarbon concentrations measured in MW-2 and MW-3 were similar to the findings in the previous monitoring event.

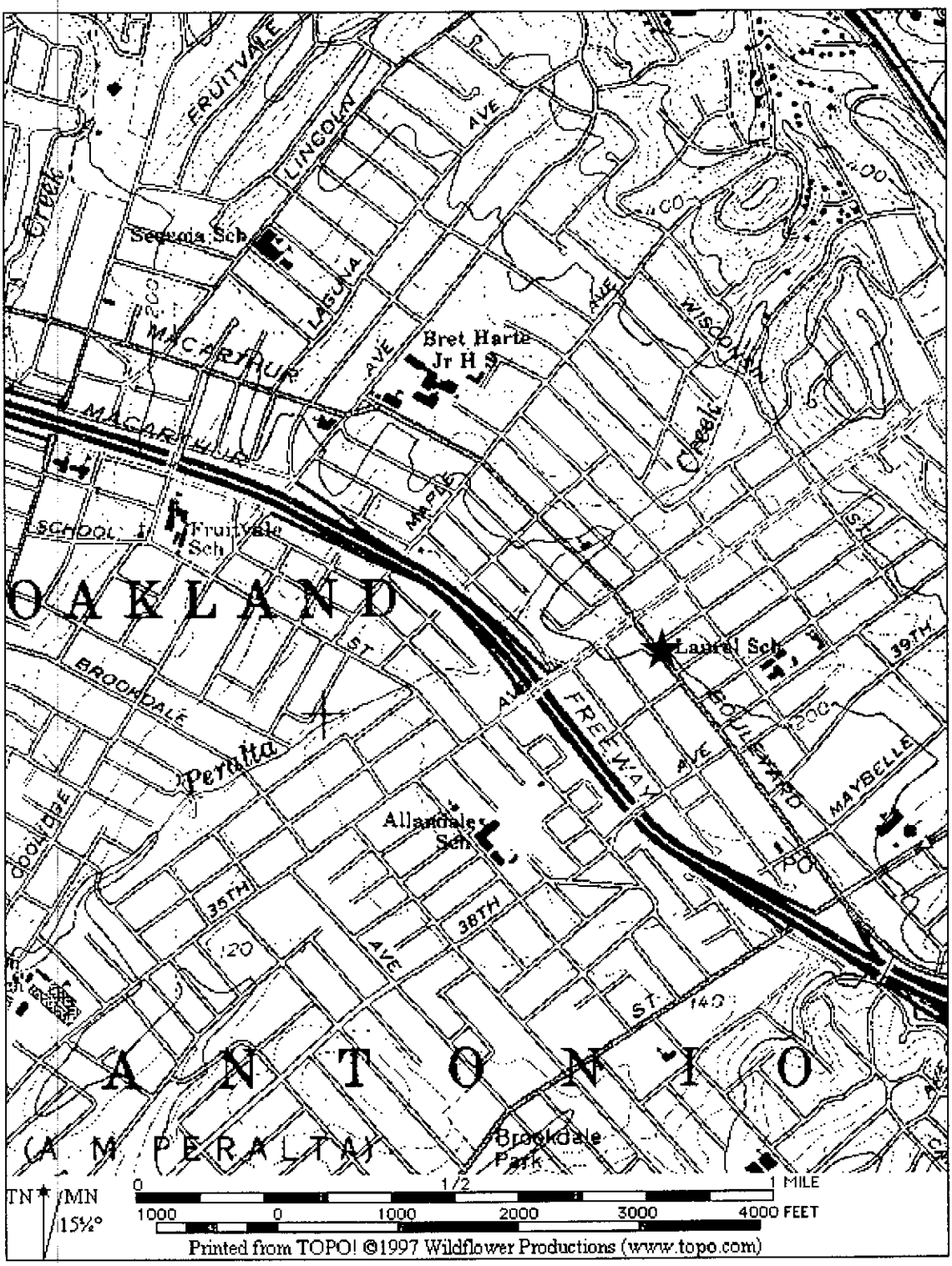
If authorized by Ms. Wannetta Hall, the Second Quarter 1999 groundwater sampling activities will be conducted by June 30, 1999 and reported by August 30, 1999. Should you have any questions or need additional information, please contact us at your earliest convenience.

Sincerely,

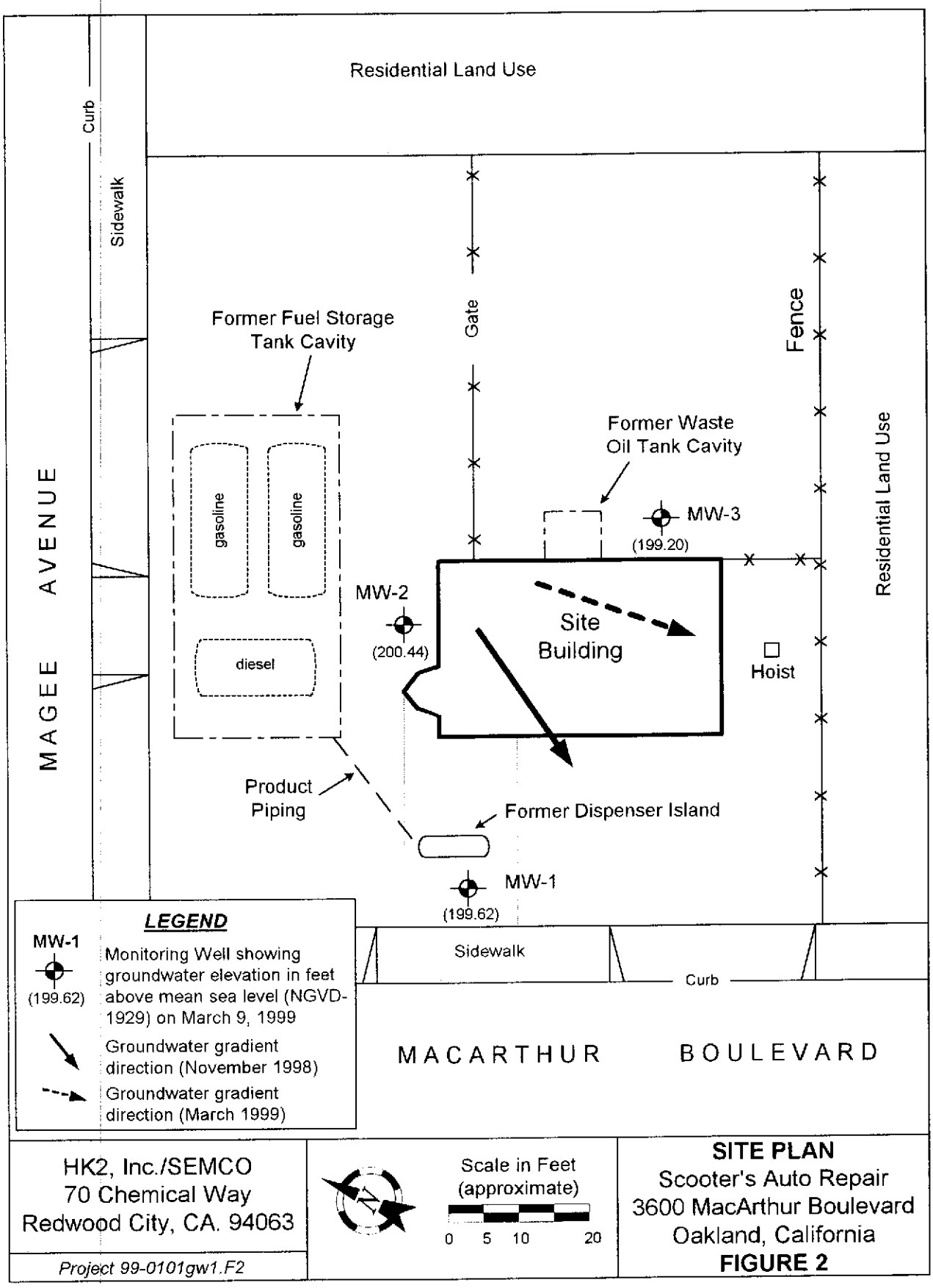
HK2, Inc./SEMCO

Brent A. Wheeler 415/474-4946
Project Environmental Scientist

cc: Ms. Wannetta Hall



HK2,Inc./SEMCO 70 Chemical Way Redwood City, CA 94063	★ SITE LOCATION	**SITE LOCATION** Scooter's Auto Repair 3600 MacArthur Boulevard Oakland, California **FIGURE 1**
Project 99-0101.gw1		
Fn:99-0101gw1.F1 DRWG:BAW/6.99		



HK2, Inc./SEMCO
70 Chemical Way
Redwood City, CA. 94063

Project 99-0101gw1.F2

SITE PLAN
Scooter's Auto Repair
3600 MacArthur Boulevard
Oakland, California
FIGURE 2

Table 1
Fluid-Level Monitoring Data
Scooter's Auto Repair
3600 MacArthur Boulevard, Oakland, California

Well	Date Measured	Depth To Groundwater (feet below top of well casing)	Product Thickness (feet)	Relative Elevation of Top of Well Casing (feet)	Relative Groundwater Elevation (feet)
MW-1	11-12-98	3.24	0	201.38	198.14
	4-6-99	1.76	0		199.62
MW-2	11-12-98	2.85	0	201.87	199.02
	4-6-99	1.43	0		200.44
MW-3	11-12-98	3.43	0	202.11	198.68
	4-6-99	2.91	0		199.20

LEGEND:

Top of well casing elevation referenced to City of Oakland Bench Mark located on the top of the southern curb return on the southeast corner of the intersection of MacArthur Boulevard and Magee Avenue. Elevations measured in feet above mean sea level and based on NGVD-1929 (City of Oakland datum + 3.00 feet).

Table 2

Laboratory Results of Groundwater Sample Analyses

Scooter's Auto Repair

3600 MacArthur Boulevard,Oakland, California

WELL	DATE	TPH-G (mg/L)	TPH-D (mg/L)	TPH-MO (mg/l)	B (mg/L)	T (mg/L)	E (mg/L)	X (mg/L)	MTBE* (mg/l)	HVOCs (mg/L)	LEAD (mg/L)
MW-1	11-12-98	6.2	0.54	ND	0.420	0.047	ND	0.210	ND	--	ND
	4-9-99	4.4	ND	--	0.320	0.033	0.240	0.240	ND	--	--
MW-2	11-12-98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	4-9-99	ND	ND	--	ND	ND	ND	ND	ND	--	--
MW-3	11-12-98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND**
	4-9-99	ND	ND	--	ND	ND	ND	ND	ND	--	--
CRWQCB MSWQO		none	none	none	0.001	0.15	0.7	1.75	0.014***	varies	0.05
Lab Reporting Limit		0.05	0.05	0.5	0.0005	0.0005	0.0005	0.001	0.0005	0.010	0.05

LEGEND:

TPH-G = total petroleum hydrocarbons as gasoline (EPA Methods 5030/Modified 8015); TPH-D and TPH-MO = total petroleum hydrocarbons as diesel and motor oil, respectively (EPA Methods 3510/Modified 8015); B, T, E, X = benzene, toluene, ethylbenzene, and total xylenes (EPA Methods 5030/ 8020); MTBE = methyl tert-butyl ether (EPA Methods 5030/8020); HVOCs =halogenated volatile organic compounds (EPA Method 8010); mg/L = milligrams per liter; ND = concentration less than the laboratory reporting limit; -- = sample not analyzed for this constituent; * = confirmed by EPA Method 8260; ** = dissolved cadmium, chromium, lead, nickel, and zinc concentrations in this sample were also below the laboratory reporting limit; *** = public health goal proposed by the California Office of Environmental Health Hazard Assessment (the California Department of Health Services has proposed establishing a secondary maximum contaminant level of 0.005 mg/l for MTBE); CRWQCB MSWQO = California Regional Water Quality Control Board municipal supply water quality objective.

APPENDIX A

REGULATORY CORRESPONDENCE, WELL MONITORING AND SAMPLING DATA, AND WASTE MANIFEST

TO: [illegible]

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

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

StID 1289

December 16, 1998

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd
Oakland, CA 94619

RE: Work Plan Approval for 3600 MacArthur Blvd. Oakland, CA

Dear Ms. Hall:

I have completed review of HK2, Inc.'s December 1998 *Site Characterization Report* prepared for the above referenced site. The report summarized actitivites related to the installation of three groundwater monitoring wells and the advancement of two exploratory soil borings. Petroleum hydrocarbons were noted in groundwater from well MW-1.

At this time you should continue with quarterly groundwater monitoring/sampling of the wells. Groundwater should be analyzed for TPHg, TPHd, and BTEX. The next sampling event should be in January or February 1999. After two additional sampling events, evaluation of groundwater data collected will determine if further action is required at the site. Quarterly monitoring reports are due 60 days upon completion of field activities.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

scooter2

HK2, Inc./SEMCO
FLUID-LEVEL MONITORING DATA

Project No: 99-0101 Date: 4/6/99

Site Location: 3609 HAWTHORNE BLVD., OAKLAND, CA

Technician: BAW Method:

WELL	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
MW-1	1.76	—	—	14.56	9:50
MW-2	1.43	—	—	14.02	9:52
MW-3	2.91	—	—	13.37	9:55 *

Measurements referenced to top of well casing. Page 1 of 1

NOTES: WELLS ALLOWED UNDER PRESSURE DURING INITIAL DTW; LET EQUILIBRATE FOR TOTAL OF 1 HOUR PRIOR TO MONITORING

* DTW IN MW-3 NOT STABLE @ TIME OF MEASUREMENT

HK2 WELL PURGING/SAMPLING DATA FORM

Project No.: 90-5101 Date: 4/6/05 Page 1 of 2

Site Address: 3605 Whipple Rd. Union City, CA

Technician(s): Brad Agency Rep:

Casing/Borehole Diameter (inches)	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

WELL # MW-1

a. Total Well Depth	14.36	ft.
b. Depth to Water	1.76	ft.
c. Water Height (a - b)	12.30	ft.
d. Well Casing Diameter	2	in.
e. Casing or Borehole Constant from above table	0.2	
f. (3) Casing or Borehole Volumes (c x e x 3)	7.38	gal.
g. 80 Percent Recharge Level [b + (0.2 x c)]	4.22	ft.

PURGE EVENT #1:
a. Start Time 11:50
b. Finish Time 11:57
c. Volume Purged 3.5 gal.
RECHARGE #1:
a. Depth to Water ~2 ft.
b. Time Measured 12:02

PURGE EVENT #2:
a. Start Time 12:03
b. Finish Time 12:10
c. Volume Purged 4 gal.
RECHARGE #2:
a. Depth to Water 2.16 ft.
b. Time Measured 12:22

PURGE EVENT #3:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #3:
a. Depth to Water ft.
b. Time Measured

WELL FLUID PARAMETERS:
(30 gal)

	t=0	1 (2.5)	1½ (3.75)	2 (5)	2½ (6.25)	3 (7.5)
a. pH	7.74	—	7.46	7.49	7.65	7.65
b. Temp.	61.7	61.2	60.9	60.9	61.3	61.4
c. Cond. (x100)	3.72	3.55	3.13	3.27	3.24	3.21
d. DO						

SUMMARY DATA:
Total Gallons Purged 7.5
Purging Device Used Diaphragm Pump
Sampling Device Used Bailer
Time Sample Collected 12:20
Sample Appearance Slightly turbid + discolored; slight HC odor

WELL # MW-2

a. Total Well Depth	14.32	ft.
b. Depth to Water	1.43	ft.
c. Water Height (a - b)	12.89	ft.
d. Well Casing Diameter	2	in.
e. Casing or Borehole Constant from above table	0.2	
f. (3) Casing or Borehole Volumes (c x e x 3)	7.55	gal.
g. 80 Percent Recharge Level [b + (0.2 x c)]	3.95	ft.

PURGE EVENT #1:
a. Start Time [illegible]
b. Finish Time 10:55
c. Volume Purged 2.5 gal.
RECHARGE #1:
a. Depth to Water ~1.5 ft.
b. Time Measured 10:54

PURGE EVENT #2:
a. Start Time 10:55
b. Finish Time 11:05
c. Volume Purged ~4 gal.
RECHARGE #2:
a. Depth to Water ft.
b. Time Measured

PURGE EVENT #3:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #3:
a. Depth to Water ft.
b. Time Measured

WELL FLUID PARAMETERS:
(30 gal)

	t=0	1 (2.5)	1½ (3.75)	2 (5)	2½ (6.25)	3 (7.5)
a. pH	—	—	7.42	7.81	7.82	
b. Temp.	58.0	58.4	57.4	60.1	60.3	
c. Cond. (x100)	3.15	3.00	2.84	2.70	2.91	
d. DO						

SUMMARY DATA:
Total Gallons Purged 6.5
Purging Device Used Diaphragm Pump
Sampling Device Used Bailer
Time Sample Collected 11:15
Sample Appearance No apparent signs of contamination; clear

Number of Drums stored onsite 1 Total Gallons Stored 25-30
Location of Drums NE side of property
Borehole volume based on annular sand pack porosity of 30 percent.

HK2 WELL PURGING/SAMPLING DATA FORM

Project No.: 99-3-51 Date: 6/6/00 Page 2 of 2

Site Address: 3500 HOLLIS ST, EMERYVILLE, CA

Technician(s): BAM Agency Rep:

Casing/Borehole Diameter (inches)	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

WELL # MW-3

a. Total Well Depth	13.37	ft.
b. Depth to Water	2.91	ft.
c. Water Height (a - b)	10.46	ft.
d. Well Casing Diameter	2	in.
e. Casing or Borehole Constant from above table	0.2	
f. (3) Casing or Borehole Volumes (c x e x 3)	6.6	gal.
g. 80 Percent Recharge Level [b + (0.2 x c)]	5.1	ft.

PURGE EVENT #1:
a. Start Time 10:15
b. Finish Time 10:33
c. Volume Purged 5 gal.
RECHARGE #1:
a. Depth to Water 12.15 ft.
b. Time Measured 10:52

PURGE EVENT #2:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #2:
a. Depth to Water 10.68 ft.
b. Time Measured 12:45

PURGE EVENT #3:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #3:
a. Depth to Water ft.
b. Time Measured

WELL FLUID PARAMETERS:

(52 2.19)

	t=0	1 (1.1)	1½ (3.3)	2 (4.4)	2½ (5.5)	3 (6.6)
a. pH	9.42	8.41	8.23	8.41	8.01	7.73
b. Temp.	59.7	58.9	58.6	58.0	58.6	57.0
c. Cond.	11.55	11.51	11.70	11.47	11.17	11.39
d. DO						

7.7 / 7.75 / 11.45

SUMMARY DATA:
Total Gallons Purged 8
Purging Device Used DIAPHRAGM PUMP
Sampling Device Used BAILER
Time Sample Collected 12:40
Sample Appearance CLEAR; NO ODOR/SHEET SIGNS OF CONTAMINATION

WELL #

a. Total Well Depth		ft.
b. Depth to Water		ft.
c. Water Height (a - b)		ft.
d. Well Casing Diameter		in.
e. Casing or Borehole Constant from above table		
f. (3) Casing or Borehole Volumes (c x e x 3)		gal.
g. 80 Percent Recharge Level [b + (0.2 x c)]		ft.

PURGE EVENT #1:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #1:
a. Depth to Water ft.
b. Time Measured

PURGE EVENT #2:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #2:
a. Depth to Water ft.
b. Time Measured

PURGE EVENT #3:
a. Start Time
b. Finish Time
c. Volume Purged gal.
RECHARGE #3:
a. Depth to Water ft.
b. Time Measured

WELL FLUID PARAMETERS:

	t=0	1	1½	2	2½	3
a. pH						
b. Temp.						
c. Cond.						
d. DO						

SUMMARY DATA:
Total Gallons Purged
Purging Device Used
Sampling Device Used
Time Sample Collected
Sample Appearance

Number of Drums stored onsite 1 Total Gallons Stored 25-30
Location of Drums NE SIDE OF PROPERTY
Borehole volume based on annular sand pack porosity of 30 percent.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- Nº 46464

GENERATOR

4. Generator's Name and Mailing Address

SEMCO / SCOOTERS AUTO REPAIR
3600 MACARTHUR BLVD
OAKLAND, CA

Generator's Phone

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone

CLEARWATER ENVIRONMENTAL | CAR000007013 | (510) 797-8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone

ALVISO INDEPENDENT OIL
5002 ARCHER STREET
ALVISO, CA 95002 | CAL000161743 | (510) 797-8511

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous waste, liquid	001	~~T~~ DM	003C	G
b.				

15. Special Handling Instructions and Additional Information

Wear PPE
Emergency Contact
(510) 797-8511
Attn: Kirk Hayward

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Wesley Morse agent for. | Signature | Month 04 Day 09 Year 99

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: DAVID MORRISON | Signature: David Morrison | Month 04 Day 09 Year 99

FACILITY

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.

Printed/Typed Name: Vicky Stone | Signature | Month 04 Day 09 Year 99

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 99-0517
Client: Semco
Project: 3600 MacArthur Blvd./99-0101

Date Reported: 04/19/99

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 3630B/8015M. Filtered prior to analysis.

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 99-0517-01 Client ID: MW1-W				04/06/99	WATER
Gasoline	8015M	4400	ug/L		04/13/99
Benzene	8020	320	ug/L		
Ethylbenzene	8020	240	ug/L		
Toluene	8020	33	ug/L		
Xylenes	8020	240	ug/L		
MTBE	8020	*ND			
Diesel	8015M	ND			04/15/99
Sample: 99-0517-02 Client ID: MW2-W				04/06/99	WATER
Gasoline	8015M	ND			04/13/99
Benzene	8020	ND			
Ethylbenzene	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			
MTBE	8020	ND			
Diesel	8015M	ND			04/15/99
Sample: 99-0517-03 Client ID: MW3-W				04/06/99	WATER
Gasoline	8015M	ND			04/13/99
Benzene	8020	ND			
Ethylbenzene	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			

*Confirmed by GC/MS method 8260

P. O. Box 5624 • South San Francisco, California 94083 • 650-588-2838 FAX 588-1950

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 99-0517
Client: Semco
Project: 3600 MacArthur Blvd./99-0101

Date Reported: 04/19/99

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 3630B/8015M. Filtered prior to analysis.

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 99-0517-03 Client ID: MW3-W				04/06/99	WATER
MTBE	8020	ND			
Diesel	8015M	ND			04/15/99

*Confirmed by GC/MS method 8260

P. O. Box 5624 • South San Francisco, California 94083 • 650-588-2838 FAX 588-1950

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Quality Control/Quality Assurance

Lab Number: 99-0517
Client: Semco
Project: 3600 MacArthur Blvd./99-0101

Date Reported: 04/19/99

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 3630B/8015M. Filtered prior to analysis.

Analyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD
Gasoline	8015M	50	ug/L	ND	117	2
Benzene	8020	0.5	ug/L	ND	108	2
Ethylbenzene	8020	0.5	ug/L	ND	96	3
Toluene	8020	0.5	ug/L	ND	106	2
Xylenes	8020	1.0	ug/L	ND	105	1
MTBE	8020	0.5	ug/L	ND	103	1
Diesel	8015M	0.05	mg/L	ND	81	4

ELAP Certificate NO:1753
Reviewed and Approved

John A.Murphy,Laboratory Director

P. O. Box 5624 · South San Francisco, California 94083 · 650-588-2838 FAX 588-1950

99-0517 SO231A

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page 1 of 1

Client: HKE, INC.	Report to: DGM	Phone: 261-1968	Turnaround Time: STANDARD
Mailing Address: 70 CHEMICAL WAY, REDWOOD CITY, CA 94063	Billing to: SEMCO, MODESTO, CA	Fax: 261-0735	Date: 4/6/99
		PO# / Billing Reference: 99-0101	Sampler: BRIAN

Project / Site Address: WANNIETTA HALL, SCOTTY'S AUTO REPAIR, 3600 MACARTHUR BLVD., OAKLAND

Analysis Requested

	Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-G (5030/MODS)	TPH-D (3510/MODS)	BTEX (5030/8020)	Comments / Hazards
1	MW1-W	WATER	3-40ml VOAS	HCl/4°C	4/6/99 12:20	X		X	
1	MW1-W		1-LITER BOTTLE	4°C	12:20		X		
2	MW2-W		3-40ml VOAS	HCl/4°C	11:15	X		X	
2	MW2-W		1-LITER BOTTLE	4°C	11:15		X		
3	MW3-W		3-40ml VOAS	HCl/4°C	12:40	X		X	
3	MW3-W		1-LITER BOTTLE	4°C	12:40		X		

ADDITIONAL NOTES / HANDLING INSTRUCTIONS:

1. PASS ALL TPH-D WATER SAMPLES THROUGH A GLASS FIBER FILTER PRIOR TO EXTRACTION
2. PASS ALL TPH-D WATER SAMPLES THROUGH A PACKED SILICA GEL COLUMN PRIOR TO ANALYSIS (EPA 3630B WITH NO SOLVENT EXCHANGES)

Relinquished by: Brian A. Hunt	Date: 4/7/99	Time: 2:20	Received by: NSE LABS	Lab Comments
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	