Environmental Sampling Services

November 3, 2004

Ms. Estelle Shiroma, D.Env.
SOMA Corporation
1412 62nd Street
Emeryville, California 94608

SUBJECT: October 2004 Groundwater Monitoring Event Sampling for 1240 Powell Street, Emeryville, California

Dear Ms. Shiroma,

Please find enclosed a Field Activity Report for 1240 Powell Street, Emeryville, California. The monitoring and sampling event occurred on October 27, 2004. The Field Activity Report contains all pertinent documentation associated with this task.

If you have any questions or concerns regarding this Field Activity Report, please do not hesitate to call me.

Sincerely,

Jacqueline Lee
President

Enclosure

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FIELD ACTIVITY REPORT

GROUNDWATER MONITORING

Q

SAMPLING EVENT

1240 POWELL STREET
EMERYVILLE, CALIFORNIA

OCTOBER 2008

Environmental
Sampling Services

FIELD ACTIVITY REPORT

GROUNDWATER MONITORING EVENT
FOR
1240 POWELL STREET
EMERYVILLE, CALIFORNIA

Task: Groundwater Monitoring Event
ESS Personnel: Stephen Penman
Date of Activity: October 27, 2004

Decontamination Procedures

The water level probe was cleaned with Liqui-Nox® laboratory grade soap, potable water, and rinsed with distilled water prior to use and between each monitoring well.

Groundwater Level & Well Depth Measurements

On October 27, 2004, depth to groundwater and well depth were measured and recorded for three (3) monitoring wells prior to any monitoring activities.

All readings were performed with Solinst water level indicator probe. Three successive readings that agreed to within one-hundredth of a foot determined depth to groundwater. Well depth was determined by lowering the water level probe to the bottom of the well. All measurements were referenced to the surveyor's mark or north rim of the well casing, whichever was noted.

Organic vapor readings were not requested.

Field Equipment Calibration

All field water quality meters were calibrated prior to use. The pH meter was calibrated using three (3) pH buffer standard solutions 4, 7, and 10. The Specific Conductivity/Temperature meter is factory calibrated and runs through a self-test when the meter is activated. The Turbidity meter was calibrated with a 0.02 NTU calibration standard solution. Physical characteristics such as color and/or odor were noted (see Water Quality Sample Log Sheets).

Well Purging and Sampling Procedures

Each well was purged with a new disposable polyethylene bailer. A minimum of three casing volumes and stabilization (10%) of the last three water quality parameters are the standard requirements prior to sample collection.

Following the removal of three casing volumes and stabilization of water quality parameters, samples were collected in the order of volatile sensitivity.

Sample labels were completed with waterproof ink and affixed to sample containers prior to sample collection.

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All sample containers were wiped dry, sealed in Ziploc® bags and placed in a chilled cooler for storage and shipment.

Sample Containers and Analyses

McCampbell Analytical of Pacheco supplied sample containers. All wells were sampled for the following analyses: Volatile Organic Compounds (VOCs) by EPA Method 8260, Total Petroleum Hydrocarbons (TPH)-Gasoline, BTEX, and MTBE (EPA Method 8015/8260B) and TPH-Diesel (EPA Method 8015).

Sample Containers

Each VOCs, Gasoline, BTEX, and MTBE sample set consisted of three, 40-ml clear VOA containers preserved with hydrochloric acid.

Each Diesel sample was contained in a non-preserved, 1-liter amber glass container.

QA/QC

One Trip Blank set was provided by the laboratory and submitted for analysis.

One blind duplicate was collected at well MW-3 and fictitiously labeled as " MW-DUP @16:47".

Chain of Custody (COC) Forms

All sampling and sample handling were conducted under strict chain of custody procedures. Each COC included: sampler's name and signature, sample identification, sample date and time, type and number of bottles submitted, and analysis request section.

Storage of Purged Groundwater and Decontamination Water

Purged groundwater and decontamination generated during this sampling event was transferred into a labeled 55-gallon steel drum provided by ESS. Approximately 25 gallons were generated.

Jacqueline Lee
President

Enclosure
Table 1: Summary of Groundwater Monitoring Data
Water Sample Log Sheets
Chain of Custody

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Table 1: Summary of Groundwater Monitoring Event
Project Address: 1240 Powell Street, Emeryville, California
Date: October 27, 2004

Well I.D.	Time of Measurement	Groundwater Level Measurement (Ft., TOC)	Well Depth Measurement (Ft., TOC)	Sample Time	QA/QC Type	QA/QC Identification
MW-1	14:08	6.29	20.12	15:31	None	NA
MW-2	14:04	8.06	20.25	14:48	None	NA
MW-3	14:12	7.24	20.01	16:17	Duplicate	MW-DUP

TOC=Top of Well Casing

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION MW-1 DATE 10/27/04

Project Name: 1240 Powell Street, Emeryville, CA Project Contact: Estelle Shiroma - SOMA Corporation

Laboratory: McCampbell Analytical - Pacheco, CA Weather Conditions: Partly Cloudy and cool

Well Description: (2") 3" 4" 5" 6" Other: ____ Well Type: (PVC) Stainless Steel Other: ____

Is Well Secured? (Yes) / No Bolt Size: 9/16" Type of lock / Lock number: No Locker

Observations / Comments: ____

Purge Method: Teflon (PVC Disposable Bailer) Centrifugal Pump Grundfos Pump Peristaltic Pump

Pump Lines (NA) New / Cleaned / Dedicated Bailer Line: NA (New) Cleaned / Dedicated

Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____

Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____

Sampling Method: Disp. Teflon Bailer (Disp. PVC Bailer) GrundFos Redi-flow Pump Peristaltic Pump

pH Meter Serial No.: 217254 / (330089) Spec. Cond. Meter Serial No.: (96H0203AB) AE

Date/Time Calibrated: 10/27 @ 13:50 (4) (7) (10) @ 25°C Spec.Cond. Meter Calibration: (Self Test) Other: ____

Method to Measure Water Level: Solinst Serial No.: 21752 P.I.D. Reading: NA ppm @ Well Head

Water Level at Start (DTW): 6.29 @ 14:08 Water Level Prior To Sampling: 10.19 ↑

TD = 20.12 - 6.29 (DTW) = 13.83 (ft.of water) x "K" = 2.3 (Gals./CV) x 3 (No. of CV) = 6.9 (Gals.)

("K"= 0.163(2" well)) "K" = 0.653(4" well) "K" = 1.02(5" well) "K" = 1.46(6" well) "K" = 2.61(8" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Gallons)	pH	Temp. (°C)	Specific Conductance mS uS	Turbidity (NTU's)	D.O. mg/L	Color	Comments
10/27/04	15:15	1	6.49	20.3	293.8	57.4	—	Cloudy Lt. Brown	
↓	15:20	3	6.52	21.0	307.9	227	—	Brown	Fine Sands
↓	15:24	5	6.52	20.7	309.8	476	—	"	↓
↓	15:29	7	6.52	20.8	314.5	791	—	"	↓

Total Discharge: 7 Gallons Casing Volumes Removed: 3.04

Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ____

Date/Time Sampled: 10/27/04 @ 15:31 Analysis/No. of Bottles: TPH-g, BTEX, MTBE, (EPA 8015/8260B);

TPH-d (EPA 8015), VOCs (8260) Number of Sample Containers: 4

QA/QC: None @ ____ as an Equipment Blank Duplicate MS/MSD Lab Split Field Blank

Comments: ____

Recorded By: Jacki Lee (Stephen Penman) Signature(s): [signature]

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION MW-2 DATE 10/27/04

Project Name: 1240 Powell Street, Emeryville, CA Project Contact: Estelle Shiroma - SOMA Corporation

Laboratory: McCampbell Analytical - Pacheco, CA Weather Conditions: Partly Cloudy and Cool

Well Description (2") 3" 4" 5" 6" Other: ____ Well Type: (PVC) Stainless Steel Other: ____

Is Well Secured? (Yes) / No Bolt Size: 9/16" Type of lock / Lock number: No lock

Observations / Comments: ____

Purge Method: Teflon (PVC Disposable Bailer) Centrifugal Pump Grundfos Pump Peristaltic Pump

Pump Lines (NA) New / Cleaned / Dedicated Bailer Line: NA (New) Cleaned / Dedicated

Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____

Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____

Sampling Method: Disp. Teflon Bailer (Disp. PVC Bailer) GrundFos Redi-flow Pump Peristaltic Pump

pH Meter Serial No.: 217254 / (330089) Spec. Cond. Meter Serial No.: (96H0203AB) / AE

Date/Time Calibrated: (10/27 @ 13:50) (4) (7) (10) @ 25°C Spec.Cond. Meter Calibration: (Self Test) Other: ____

Method to Measure Water Level: Solinst Serial No.: 21752 P.I.D. Reading: NA ppm @ Well Head

Water Level at Start (DTW): 8.06 @ 14:04 Water Level Prior To Sampling: 15.81

TD = 20.25 - 8.06 (DTW) = 12.19 (ft.of water) x "K" = 2.0 (Gals./CV) x 3 (No. of CV) = 6 (Gals.)

("K"= 0.163(2" well)) "K" = 0.653(4" well) "K" = 1.02(5" well) "K" = 1.46(6" well) "k" = 2.61(8" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Gallons)	pH	Temp. (°C)	Specific Conductance mS uS	Turbidity (NTU's)	D.O. mg/L	Color	Comments
10/27/04	14:33	1.5	6.52	21.1	310.7	33.8	—	Slightly Cloudy Lt. Brown	
↓	14:38	3	6.45	20.6	299.5	50.4	—	"	
	14:41	4.5	6.44	20.3	292.8	82.4	—	Cloudy Lt. Brown	
	14:46	6	6.44	20.1	292.7	140	—	"	

Total Discharge: 6 Gallons Casing Volumes Removed: 3

Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ____

Date/Time Sampled: 10/27/04 @ 14:48 Analysis/No. of Bottles: TPH-g, BTEX, MTBE, (EPA 8015/8260B);

TPH-d (EPA 8015), VOCs (8260) Number of Sample Containers: 4

QA/QC: None @ ____ as an Equipment Blank Duplicate MS/MSD Lab Split Field Blank

Comments: ____

Recorded By: Jacki Lee (Stephen Penman) Signature(s): [signature]

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION MW-3 DATE 10/27/04

Project Name: 1240 Powell Street, Emeryville, CA Project Contact: Estelle Shiroma - SOMA Corporation

Laboratory: McCampbell Analytical - Pacheco, CA Weather Conditions: Partly cloudy and cool

Well Description: (2") 3" 4" 5" 6" Other: ____ Well Type: (PVC) Stainless Steel Other: ____

Is Well Secured? (Yes) / No Bolt Size: 9/16" Type of lock / Lock number: ____

Observations / Comments: ____

Purge Method: Teflon / (PVC Disposable Bailer) Centrifugal Pump Grundfos Pump Peristaltic Pump

Pump Lines: (NA) New / Cleaned / Dedicated Bailer Line: NA (New) / Cleaned / Dedicated

Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____

Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____

Sampling Method: Disp. Teflon Bailer (Disp. PVC Bailer) GrundFos Redi-flow Pump Peristaltic Pump

pH Meter Serial No.: 217254 / (330089) Spec. Cond. Meter Serial No.: (96H0203AP) / AE

Date/Time Calibrated: 10/27 @ 17:50 (4) (7) (10) @ 25°C Spec.Cond. Meter Calibration: (Self Test) Other: ____

Method to Measure Water Level: Solinst Serial No.: 21752 P.I.D. Reading: NA ppm @ Well Head

Water Level at Start (DTW): 7.24 @ 14:12 Water Level Prior To Sampling: 12.45↑

TD = 20.01 - 7.24 (DTW) = 12.77 (ft.of water) x "K" = 2.1 (Gals./CV) x 3 (No. of CV) = 6.3 (Gals.)

("K"= 0.163(2" well)) "K" = 0.653(4" well) "K" = 1.02(5" well) "K" = 1.46(6" well) "K" = 2.61(8" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Gallons)	pH	Temp. (°C)	Specific Conductance mS uS	Turbidity (NTU's)	D.O. mg/L	Color	Comments
10/27/04	15:59	1	6.58	19.2	305.9	59.6	—	Slightly Cloudy Lt. Brown	
	16:04	3	6.55	19.2	329.6	47.8	—	"	
	16:08	5	6.56	18.8	317.3	90.5	—	Cloudy Lt. Brown	
↓	16:15	7	6.62	18.5	315.7	125	—	"	

Total Discharge: 7 Gallons Casing Volumes Removed: 3.3

Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ____

Date/Time Sampled: 10/27/04 @ 16:17 Analysis/No. of Bottles: TPH-g, BTEX, MTBE, (EPA 8015/8260B); TPH-d (EPA 8015), VOCs (8260) Number of Sample Containers: 8

QA/QC: MW-DUP @ 16:47 as an Equipment Blank Duplicate MS/MSD Lab Split Field Blank

Comments: ____

5 gallons of Decon water

Recorded By: Jacki Lee / (Stephen Penman) Signature(s): [signature]

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PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Estelle Shiroma	**Bill To:** Same as "Report to"
Company: SOMA Corporation 1412 62nd Street Emeryville, CA 94608	**E-Mail:**
Tele: (510) 654-3900	**Fax:** (510) 654-1960
Project #:	**Project Name:** 1240 Powell Street
Project Location: 1240 Powell Street, Emeryville, CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
Trip Blank		10/27/04	13:00	2	40ml VOC	X					X	X		
MW-2		10/27/04	14:48	4	40ml VOC w/ HCl	X					X	X		
MW-1		10/27/04	15:31	4	"	X					X	X		
MW-3		10/27/04	16:17	4	"	X					X	X		
MW-DUP		10/27/04	16:47	4	"	X					X	X		

Analysis Request	Other	Comments
BTEX & TPH as Gas (602/8020 + 8015)/MTBE; TPH as Diesel (8015); Total Petroleum Oil & Grease (5520 E&F/B&F); Total Petroleum Hydrocarbons (418.1); EPA 601 / 8010 / 8021; BTEX ONLY (EPA 602 / 8020); EPA 608 / 8081; EPA 608 / 8082 PCB's ONLY; EPA 8140 / 8141; EPA 8150 / 8151; EPA 524.2 / 624 / 8260; EPA 525 / 625 / 8270; PAH's / PNA's by EPA 625 / 8270 / 8310; CAM-17 Metals (6010 / 6020); LUFT 5 Metals (6010 / 6020); Lead (200.8 / 200.9 / 6010)		Filter Samples for Metals analysis: Yes / No
MW-2: X X X MW-1: X X X MW-3: X X X MW-DUP: X X X		

Relinquished By:	Date:	Time:	Received By:
	10/28/04	10:27	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____ COMMENTS:
GOOD CONDITION _____
HEAD SPACE ABSENT _____
DECHLORINATED IN LAB _____
APPROPRIATE CONTAINERS _____
PRESERVED IN LAB _____

PRESERVATION	VOAS	O&G	METALS	OTHER
			pH<2	

AD 10/28/04