Westinghouse
Electric Corporation

11 Stanwix Street
Pittsburgh Pennsylvania 15222-1384

May 1, 1996

Mr. Sumadhu Arigala
California Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, CA 94612

Re: Groundwater Sampling Results
Westinghouse Emeryville Site, Emeryville, CA

Dear Mr Arigala:

As we discussed in our recent meeting, Westinghouse Electric Corporation requested their contractor, EMCON, Inc., to install a temporary groundwater monitoring well at the southwest corner of the Westinghouse property in Emeryville, CA. The well was installed and the groundwater sampled and analyzed as described in the attached report from EMCON. No PCBs were detected in the groundwater sample above the reporting limit of 0.1 micrograms per liter (0.1 ug/L). Based on this analysis, Westinghouse has requested that EMCON abandon the well according to the Board's protocol.

Westinghouse believes this resolves the last outstanding issue with respect to the risk assessment for the Emeryville site.

If you have any questions, please feel free to call me at (412) 642-5851 at your convenience.

Sincerely,

Gordon T. Taylor
Principal Engineer
Environmental Remediation
Law and Environmental Affairs

Attachment

EMCON
1921 Ringwood Avenue • San Jose, California 95131-1721 • (408) 453-7300 • Fax (408) 437-9526

April 18, 1996
Project 20F88-001.019

Mr. Gordon Taylor
Westinghouse Electric Corporation
Gateway Center
Pittsburgh, Pennsylvania 15222

Re: Well installation report, Emeryville, California

Dear Mr. Taylor:

This report documents the installation and sampling of one groundwater monitoring well at the Westinghouse Electric Corporation (WEC) property in Emeryville, California (Figure 1). The installation and sampling of the new well was requested by WEC to evaluate analyte concentrations detected in a grab groundwater sample obtained from Hydropunch® boring TP-6, conducted in July 1995. The field work was conducted in April 1996 in a manner consistent with the proposal approved by WEC dated March 19, 1996.

SUMMARY OF FIELD ACTIVITIES

Before drilling, the site health and safety plan was reviewed to ensure safe work practices at the site. Additionally, a well installation permit was obtained from the Alameda County Flood Control and Water Conservation District (Zone 7).

Drilling and Well Installation

On April 2, 1996, EMCON drilled boring S-9 adjacent to former Hydropunch boring TP-6 in the southwest portion of the property (Figure 2). The boring was drilled to a depth of 20 feet below the ground surface (BGS) using 8-inch-diameter augers. The boring was sampled for lithologic description and field head-space readings at approximate 5-foot depth intervals using a modified California split-spoon sampler. Upon completion of soil sampling, the boring was completed as a temporary groundwater monitoring well by installing 2-inch-diameter polyvinyl chloride (PVC) well screen and casing. A locking cap was provided for the well casing; however, as requested by WEC, a permanent vault box was not installed. Based on the information in this report, this well will be removed and the borehole backfilled to the surface with grout.

A description of the exploratory boring and well installation procedures was previously presented in EMCON's *Well Installation Report* dated September 28, 1995. Similar procedures were used for the installation of well S-9. The exploratory boring log and well construction detail are included in Appendix A.

Well Development and Sampling

On April 5, 1996, well S-9 was developed using a surge block and centrifugal pump. As water was removed from the well, its turbidity, temperature, color, pH, and electrical conductivity were recorded. The well was pumped until the water removed was relatively nonturbid, silt- and sand-free, and had a stable pH.

On April 9, 1996, the water level in well S-9 was gauged. The well was then micro-purged and sampled. The well was micro-purged by lowering a Teflon® tube into the well to a depth at the approximate midpoint of the screened interval (about 15 feet BGS). The Teflon tubing was hooked up to a peristaltic pump that was connected to a flow-thru cell. The pumping rate was approximately 100 milliliters per minute. The flow-thru cell was monitored by a YSI in-line analyzer for pH, temperature, conductivity, and oxidation-reduction potential (ORP). Separate turbidity and oxygen meters were also used. The monitoring parameters were consistent after approximately 20 minutes of micro-purging (one gallon of water), and a sample was obtained by pumping groundwater into 40 milliliter vials from Teflon tubing on the discharge end of the pump. Well development and water sampling field data sheets are presented in Appendix B.

Disposal of Materials

Drill cuttings, and decontamination, well development, and purging water generated during site activities were placed in 55-gallon drums and temporarily stored on site. The water will be disposed of at an appropriate facility with the purge water generated during the semiannual groundwater monitoring events. EMCON will base soil disposal options on the soil analytical results from Hydropunch boring TP-6, located adjacent to S-9.

LABORATORY ANALYSES

The groundwater sample was analyzed for PCBs by U.S. Environmental Protection Agency (USEPA) method 8080. The sample was analyzed on a 48-hour turnaround. Copies of the laboratory report and chain-of-custody documentation are presented in Appendix C.

FINDINGS

Soil conditions consisted of clayey silt, silt, and silty sand similar to the other borings drilled on site. No PCBs were detected above the method reporting limit of 0.1 micrograms per liter in the groundwater sample from S-9 as shown on the laboratory reports in Appendix C.

If you have questions regarding this letter report, please call us.

Sincerely.

EMCON

Peter T. Christianson
Project Geologist

Mark Smolley, RG
Project Supervisor

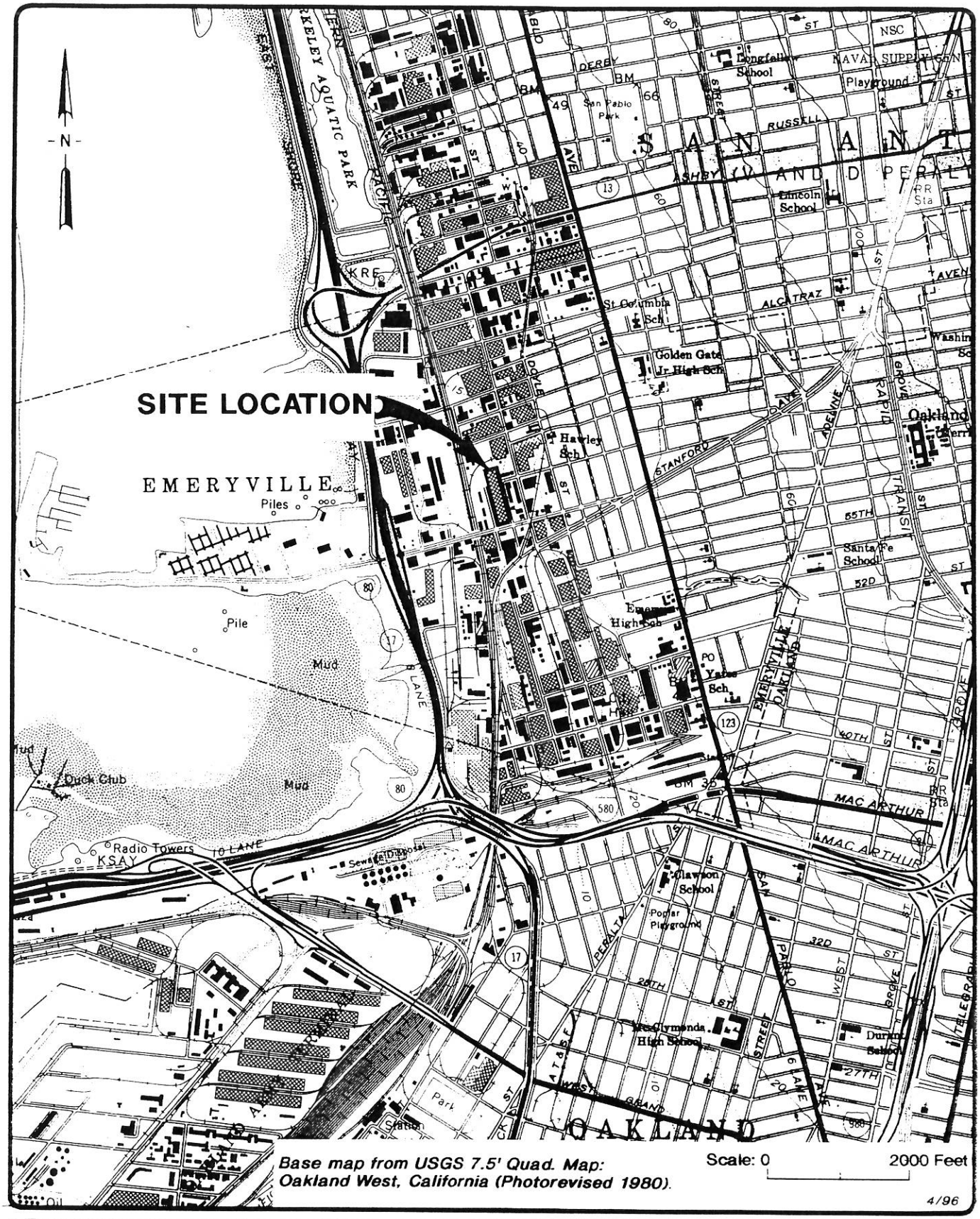
Attachments: Limitations
Figure 1 - Site Location
Figure 2 - Site Plan
Appendix A - Exploratory Boring Log and Well Completion Detail
Appendix B - Well Development and Water Sampling Field Data Sheets
Appendix C - Laboratory Report and Chain-of-Custody Documentation

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

147593

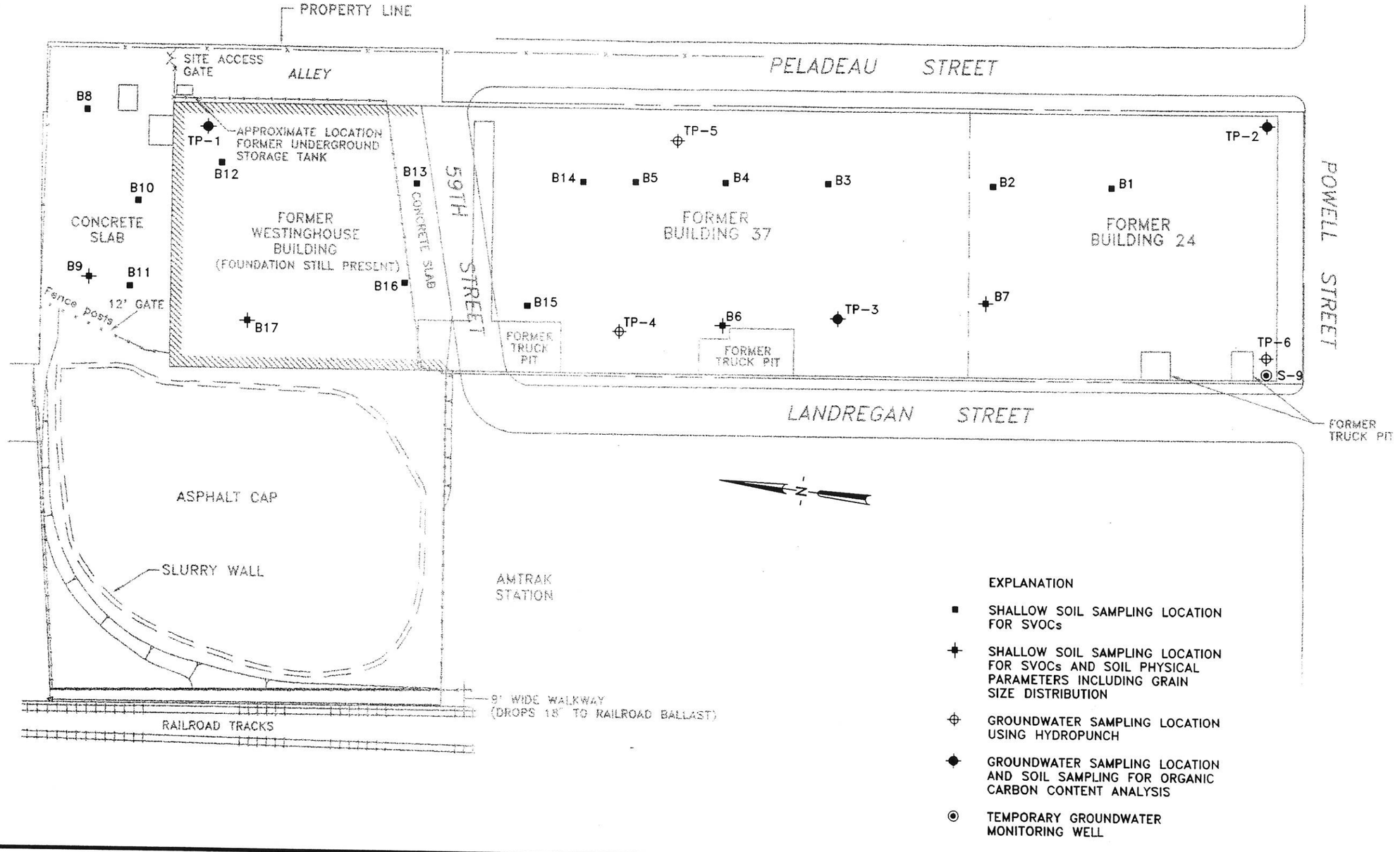


EMCON

WESTINGHOUSE ELECTRIC CORPORATION
WELL INSTALLATION REPORT
EMERYVILLE, CALIFORNIA

SITE LOCATION

FIGURE
1
PROJECT NO.
F88-01.19



EMCON

SCALE: 0 80 160 FEET

WESTINGHOUSE ELECTRIC CORPORATION
WELL INSTALLATION REPORT
EMERYVILLE, CALIFORNIA

SITE PLAN

FIGURE NO.
2
PROJECT NO.
F88-001.19

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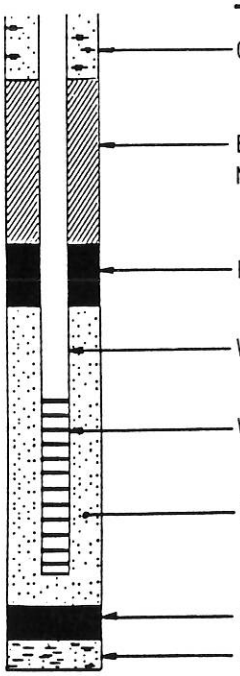
APPENDIX A

EXPLORATORY BORING LOG AND WELL COMPLETION DETAIL

EXPLANATION OF SYMBOLS ON EXPLORATORY BORING LOGS

Well Details Column



Sample Column

BAG/BULK SAMPLES

FIVE-FOOT SPLIT BARREL SAMPLER (CONTINUOUS SAMPLER)

MODIFIED CALIFORNIA SPLIT SPOON

OTHER SAMPLERS (SEE REMARKS FOR TYPE AND SIZE)

PITCHER BARREL

ROCK CORE (SEE REMARKS FOR TYPE AND SIZE)

SHELBY TUBE SAMPLER

STANDARD PENETRATION TEST SPLIT SPOON SAMPLER (2" OD)

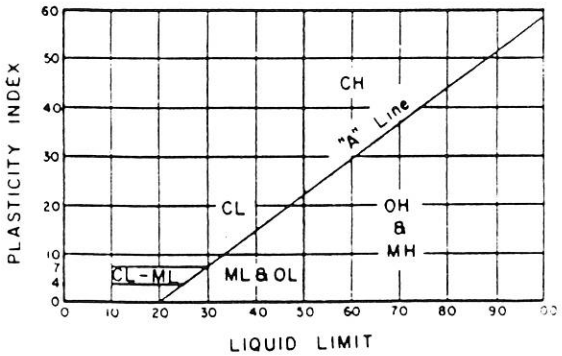
(OVER)

MAJOR DIVISIONS		SYMBOLS	TYPICAL SOIL DESCRIPTIONS
COARSE GRAINED SOILS (More than 1/2 of soil > no. 200 sieve size)	GRAVELS (More than 1/2 of coarse fraction > no. 4 sieve size)	GW	Well graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS (More than 1/2 of coarse fraction < no. 4 sieve size)	SW	Well graded sands or gravelly sands, little or no fines
		SP	Poorly graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
FINE GRAINED SOILS (More than 1/2 of soil < no. 200 sieve size)	SILTS & CLAYS LL < 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS LL > 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silty clays, organic silts
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils

CLASSIFICATION CHART
(Unified Soil Classification System)

CLASSIFICATION	RANGE OF GRAIN SIZES	
	U S Standard Sieve Size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
SAND	No 4 to No. 200	4.76 to 0.074
coarse	No 4 to No 10	4.76 to 2.00
medium	No 10 to No. 40	2.00 to 0.420
fine	No. 40 to No.200	0.420 to 0.074
SILT & CLAY	Below No. 200	Below 0.074

GRAIN SIZE CHART



PLASTICITY CHART

METHOD OF SOIL CLASSIFICATION

EMCON ASSOCIATES

11 219-71

LOG OF EXPLORATORY BORING

PROJECT NUMBER: **20F88-001.019**

BORING NO.: **S-9**

PROJECT NAME: **Westinghouse**

PAGE: **1** of **1**

BY: **T. Gyrion**

DATE: **4/02/96**

SURFACE ELEVATION: **NA ft.**

RECOVERY (ft/ft)	PID (ppm)	PENETRATION (blws/ft)	GROUND WATER LEVELS	DEPTH IN FEET	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION	WELL DETAIL
							CONCRETE.	
1.0/1.0	0	18	▽ 4/02/96	5			SILTY SAND (SM), reddish brown (5YR, 4/3); 45% low plasticity fines; 55% fine to medium sand, (5:1); abundant iron oxide staining; medium dense; wet.	
			▼ 4/05/96					
1.0/1.0	0	15		10			@9.0': dark greenish gray (5BG, 4/1); 35% low-plasticity fines; 50% fine to coarse sand, (5:1:2); 15% fine to coarse gravel, (1:2), angular clasts; medium dense; wet. @9.5': dark brown (7.5YR, 4/4); 20% low-plasticity fines; 80% fine to medium sand, (2:1), poorly sorted; medium dense; wet.	
1.0/1.0	0	17		15			CLAYEY SILT (MH), light yelllowish brown (10YR, 6/4); 100% medium- to high-plasticity fines; trace fine sand; very stiff; moist.	
1.0/1.0	0	17		20			@20.0': light yellowish brown (10YR, 6/4); 90% medium- to high- plasticity fines; 10% fine to medium sand, (1:1), well rounded; medium dense; moist to wet. BORING TERMINATED AT 20.0 FEET.	

EMCON ASSOCIATES

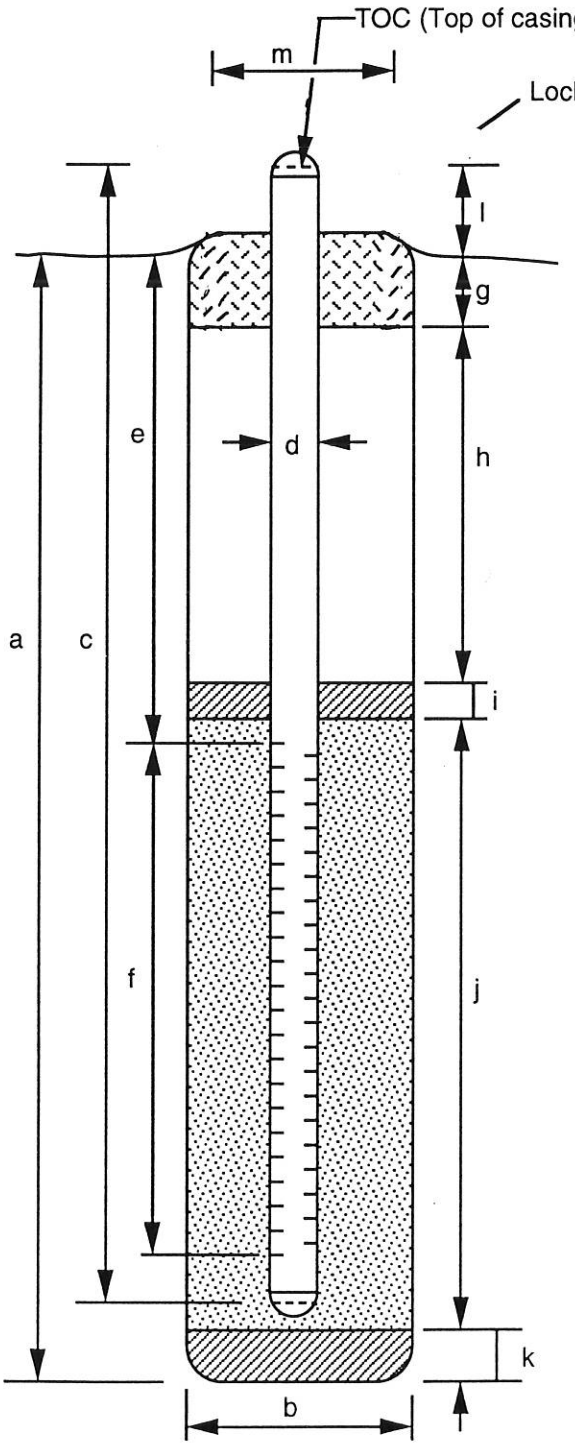
REMARKS

Boring drilled with 8-inch-diameter hollow-stem auger drilling equipment. Boring sampled using modified California split-spoon samplers. Boring completed as a 2-inch-diameter PVC monitoring well. Well construction information is presented in Well Details and shown graphically on this log. See explanation sheet for definition of symbols used in Well Detail and sample columns on this log.

WELL DETAILS

PROJECT NUMBER 20F88-001.019
PROJECT NAME Westinghouse
LOCATION Emeryville, CA
WELL PERMIT NO. 96244

BORING / WELL NO. S-9
TOP OF CASING ELEV. NA
GROUND SURFACE ELEV. NA
DATUM FT - MSL
INSTALLATION DATE 4/2/96



EXPLORATORY BORING

a. Total depth 20.0 ft.
b. Diameter 8.0 in.
Drilling method Hollow-Stem Auger

WELL CONSTRUCTION

c. Total casing length 20.5 ft.
Material Schedule 40 PVC
d. Diameter 2.0 in.
e. Depth to top perforations 9.4 ft.
f. Perforated length 9.2 ft.
Perforated interval from 9.4 to 18.6 ft.
Perforation type Machine-slotted
Perforation size 0.010 in.
g. Surface seal na ft.
Material na
h. Backfill 6.5 ft.
Material Cement
i. Seal 1.0 ft.
Material Bentonite
j. Gravel pack 11.5 ft.
Gravel pack interval from 8.5 to 20.0 ft.
Material #2/16 sand
k. Bottom seal/fill na ft.
Material na
l. Casing stickup na ft.
m. Protective casing diameter na in.

Well Constructed by THG

APPENDIX B

WELL DEVELOPMENT AND WATER SAMPLING FIELD DATA SHEETS

Rev. 0, 10/91

EMCON ASSOCIATES

FIELD REPORT
FIELD SERVICES GROUP

PROJECT NO: 20F88-001, 019 DATE: 4-9-96

CLIENT NAME: WEC-Emeryville NAME: M. Ross

LOCATION: Emeryville, CA

SERVICES RENDERED

GROUND WATER WELLS: ☑ Sampling ☐ Development ☐ Maintenance/Repair ☐ Water-Level Survey

SOIL SAMPLING: ☐ Excavation ☐ Borings ☐ Stockpile

OTHER: micro-purging

REMARKS: Well S-9 was microparged by using a peristaltic pump at a ≈ rate of 100 ml/min. Teflon tubing was lowered ≈ 15' down into the middle of the screen interval. The teflon tubing was hooked up to the peristaltic pump, which was then connected to a flow thru cell. The flow thru cell was being monitored by a in-line analyzer (YSI 3500) for ph, Temp, Cond. + ORP. Seperate Oxygen and NTU meters where used. Silicon tubing was used inside peristaltic pump to draw water thru it and to connect Teflon tubing to peristaltic pump. After purging for 20 minutes ≈ 1 gallon of water was purged, Peristaltic pump was disconnected from flow thru cell, and samples where taken from a short piece of Teflon tubing.

SIGNATURE: [signature]

WELL DEVELOPMENT FIELD DATA SHEET

Project Number: 20F88-001.019 | Performed By: M. ROSS
Client: WEC - EMERYVILLE | Date: 4-5-96
Location: EMERYVILLE, CA | Well ID: S-9

Casing Diameter: ✓ 2 inch ___ 3 inch ___ 4 inch ___ 4.5 inch ___ 6 inch Other ___
Depth to Water (feet): Start 6.44 End 6.63
Well Total Depth (feet): Start 19.4 End 19.8
One Casing Volume at Start (gal): 2.11 Total Volume Purged (gal): 80.0

DEVELOPMENT METHOD

✓ Centrifugal Pump ___ Bailer (Teflon ®) ✓ Surge Block (Swab)
___ Submersible Pump ___ Bailer (PVC) ___ Other ___

FIELD INSTRUMENTS

✓ pH, EC, Temp. Meter ✓ NTU Meter ✓ Imhoff Cone ✓ Colorimeter Other ___

Purge Water Disposal Method: ___

Date	Time	Cumulative Discharge (gal)	Temp. (° F)	E.C. @ 25° C (µmho/cm)	pH (Stnd)	Turbidity Visual (Heavy, Moderate, Light, Trace) NTU Scale = 0 - 200 or 0 - 1000	Color Visual (Clear, Cloudy, Yellow, Brown...) Cobalt Scale = 0 to 500	Odor	Settleable Solids (%)
4-5-96	1110	10.0	68.4	975	7.80	Heavy > 1000	BRN > 500	NONE	53%
	1120	20.0	67.9	921	7.24	Heavy > 1000	BRN 7500	NONE	37%
	1132	30.0	68.8	876	7.30	Heavy > 1000	BRN > 500	NONE	20%
	1144	40.0	68.8	870	7.41	Heavy > 1000	BRN > 500	NONE	20%
	1151	50.0	68.7	852	7.35	Heavy > 1000	BRN > 500	NONE	19%
	1200	60.0	67.8	834	6.89	Heavy > 1000	BRN > 500	NONE	15%
	1213	70.0	65.6	836	6.86	Heavy > 1000	BRN > 500	NONE	4%
↓	1221	80.0	65.9	847	6.87	Heavy > 1000	BRN > 500	NONE	4%

WELL INTEGRITY: GOOD LOCK #: 3476

REMARKS: THERE IS NO VAULT BOX AROUND WELL.

SIGNATURE: [signature] REVIEWED BY: KR Page 2 of 2

Rev. 1, 4/90

WEC Sampling

~~Operation and Maintenance~~ Field Report

CALIBRATION
COND → 988
ph → 6.96/7.00
10.00/10.00
3.98/4.00
Temp → 21.6

WL (START) → 6.53
WL (END) → 6.59

START → 1328

Sampling Time → 1405

Depth of purge → 15 ft

Time	Temp	COND	ph	ORP (MV)	OXYGEN	NTU
339	18.2	910	6.74	129	.18	29.0
1341	18.0	1180	6.56	093	.14	27.9
343	17.9	1070	6.50	086	.16	27.2
345	17.9	1190	6.47	084	.14	23.0
1347	17.8	1220	6.54	084	.15	23.7
349	17.8	1220	6.42	083	.16	23.5
1351	17.8	1180	6.40	081	.18	23.4
1353	17.8	1200	6.38	076	.17	22.5
1 55	17.7	1190	6.36	070	.16	19.5
1357	17.7	1220	6.34	066	.16	18.8
1359	17.6	1230	6.33	064	.17	18.7

Name M. ROTS

Date 4-8-96

Project Name WEC - EMERYVILLE

Project Number 20F88-001.018

EMCON

APPENDIX C

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Columbia Analytical Services INC.

April 15, 1996

Service Request No: S9600580

Mr. Terry Gyrion
EMCON
1921 Ringwood Avenue
San Jose, CA 95131

Re: Westinghouse-Emeryville/Project No. 208F88-001.019

Dear Mr. Terry Gyrion:

The following pages contain analytical results for sample(s) received by the laboratory on April 9, 1996. Results of sample analyses are followed by Appendix A which contains sample custody documentation and quality assurance deliverables requested for this project. The work requested has been assigned the Service Request No. Listed above -- to help expedite our service please refer to this number when contacting the laboratory.

Analytical results were produced by procedures consistent with Columbia Analytical Services' (CAS) Quality Assurance Manual (with any deviations noted). Signature of this CAS Analytical Report below confirms that pages 2 through 5, following, have been thoroughly reviewed and approved for release in accord with CAS Standard Operating Procedure ADM-DatRev3.

Please feel welcome to contact me should you have questions or further needs.

Sincerely,

Steven L. Green
Project Chemist

SLG/cvr

COLUMBIA ANALYTICAL SERVICES, Inc.

Acronyms

A2LA	American Association for Laboratory Accreditation
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CAM	California Assessment Metals
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
COD	Chemical Oxygen Demand
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
J	Estimated concentration. The value is less than the MRL, but greater than or equal to the MDL. If the value is equal to the MRL, the result is actually <MRL before rounding.
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MCL	Maximum Contaminant Level. The highest permissible concentration of a substance allowed in drinking water as established by the U. S. EPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl tert-Butyl Ether
NA	Not Applicable
NAN	Not Analyzed
NC	Not Calculated
NCASI	National Council of the paper industry for Air and Stream Improvement
ND	Not Detected at or above the method reporting/detection limit (MRL/MDL)
NIOSH	National Institute for Occupational Safety and Health
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1992
STLC	Solubility Threshold Limit Concentration
SW	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Ed., 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
tr	Trace level. The concentration of an analyte that is less than the PQL but greater than or equal to the MDL. If the value is equal to the PQL, the result is actually <PQL before rounding.
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	EMCON	**Service Request:**	L9602068
Project:	Westinghouse-Emeryville/#20F88-001.019	**Date Collected:**	4/9/96
Sample Matrix:	Water	**Date Received:**	4/9/96
		Date Extracted:	4/10/96

Polychlorinated Biphenyls (PCBs)
EPA Methods 3510/8080
Units: ug/L (ppb)

		Sample Name:	**S-9**	**Method Blank**
		Lab Code:	L9602068-001	L9602068-MB
		Date Analyzed:	4/11/96	4/11/96
Analyte	**MRL**			
Aroclor 1016	0.1		ND	ND
Aroclor 1221	0.1		ND	ND
Aroclor 1232	0.1		ND	ND
Aroclor 1242	0.1		ND	ND
Aroclor 1248	0.1		ND	ND
Aroclor 1254	0.1		ND	ND
Aroclor 1260	0.1		ND	ND

3S22/120594

APPENDIX A

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	EMCON	**Service Request:**	L9602068
Project:	Westinghouse-Emeryville/#20F88-001.019	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	NA

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)
EPA Methods 3510/8080

Sample Name	**Lab Code**	**Percent Recovery** Tetrachloro-*m* -xylene
S-9	L9602068-001	54
Method Blank	L9602068-MB	66

CAS Acceptance Limits: 45-140

SUR1/120594

Columbia Analytical Services™
059 Junction Avenue • San Jose, CA 95131 • (408) 428-1280 • FAX (408) 437-9356

L9602068

CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

SERVICE REQUEST NO. 9600580 P.O.# _____ PAGE 1 OF 1

PROJECT NAME WESTINGHOUSE-EMERYVILLE 20F8800101.19
PROJECT MGR. GYRION
COMPANY/ADDRESS EMCON
1921 RINGWOOD
PHONE _____
FAX _____
SAMPLERS SIGNATURE Mike Ross

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX	NUMBER OF CONTAINERS	ANALYSIS REQUESTED: PRESERVATIVE	NP	HCl	HCl	HCl	NP	HCl	HCl	HNO_3	NP	H_2SO_4	H_2SO_4	H_2SO_4	NP	REMARKS
						Base/Neu/Acid Organics GC/MS 625/8270	Volatile Organics GC/MS 624/8240/8260	Halogenated or Aromatic Volatiles 601/8010 □ 602/8020 □	TPH as Gas/BTEX DHS LUFT / 8020	TPH as Diesel/HBHC DHS LUFT	TRPH - 418.1	Oil and Grease Method	Metals (total or dissolved) List Below	pH, Cond, Cl, SO_4, F, TDS, TSS Alk (circle)	NH_3-N, COD, Total-P, TKN, NO_3 / NO_2 (circle)	Total Organic Carbon TOC	Total Phenols	PCB's BY 8080			
S-9	4-9-96	1405	-1	H_2O	2													X			

RELINQUISHED BY: Mike Ross / Signature / Printed Name: Mike Ross / Firm: EMCON / Date/Time: 4-9-96 1550

RECEIVED BY: Kurt Roby / Signature / Printed Name: Kurt Roby / Firm: CAS / Date/Time: 4.9.96 1550

RELINQUISHED BY: Kurt Roby / Signature / Printed Name: Kurt Roby / Firm: CAS / Date/Time: 4.9.96 1550

RECEIVED BY: Catherine Haanpaa / Signature / Printed Name: Catherine Haanpaa / Firm: CAS-CP / Date/Time: 4/10/96 900

TURNAROUND REQUIREMENTS
___ 24 hr. ✓ 48 hr. ___ 3-5 day
___ Standard (10-15 working days)
___ Provide Verbal Preliminary Results
___ Provide FAX preliminary results
Requested Report Date 4/11

REPORT REQUIREMENTS
✓ I. Routine Report
___ II. Report (includes DUP, MAS, MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ RWQCB (MDLs/PQLs/TRACE#)

RELINQUISHED BY: Signature / Printed Name / Firm / Date/Time

RECEIVED BY: Signature / Printed Name / Firm / Date/Time

SPECIAL INSTRUCTIONS/COMMENTS:
Circle which metals are to be analyzed:
Metals: Al Sb Ba Be B Cd Ca Cr Cu Co Fe Mg Mn Mo Ni K Ag Na Sn V Zn As Pb Se Tl Hg

FEDEX 970236251 5 - LLAB

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

400-5