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

June 27, 2005

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

Mr. Earl Mau
Clearprint Paper Co., Inc.
1482 67th St.
Emeryville, CA 94608

Mr. Don Fleischauer
GPC International
510 Broad Hollow Rd.
Melville, New York, 11747

Dear Messrs. Mau and Fleischauer:

Subject: Fuel Leak Site Case Closure, Clearprint Paper Co., 1482 67th St., Emeryville, CA 94608; Case No. RO0000055.

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Up to 610 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg), 340 ppm TPH as diesel, 930 ppm Oil and Grease, 33 ppm zinc, 1.3 ppm naphthalene, 1.1 ppm anthracene, 1.1 ppm fluoranthene and 0.96 ppm pyrene remain in soil at this site.

If you have any questions, please call Barney Chan at (510) 567-6765. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP Program Manager

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

cc: Ms. Cherie McCaulou
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
Underground Storage Tank Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Mr. George Warren (w/enc)
City of Emeryville Fire Dept.
1313 Park Ave.
Emeryville, CA 94608

B. Chan, (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

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June 27, 2005

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Clearprint Paper Co., Inc.
1482 67th St.
Emeryville, CA 94608

Mr. Don Fleischauer, Exec. VP
GPC International
510 Broad Hollow Rd.
Melville, New York, 11747

Dear Messrs. Mau and Fleischauer:

Subject: Fuel Leak Site Case Closure, Clearprint Paper Co., 1482 67th St., Emeryville, CA 94608; Case No. RO0000055.

This letter confirms the completion of a site investigation and remedial action for the four (4) underground storage tanks, (1- 9450 gallon, 1- 8000 gallon, 1- 1000 gallon and 1- 10000 gallon), formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director
Alameda County Environmental Health

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: April 14, 2005

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6719
Responsible Staff Person: Robert W. Schultz	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Clearprint Paper Co. Inc.		
Site Facility Address: 1482 67th Street, Emeryville, California 94608		
RB Case No.: Geotracker 01-2083	Local Case No.: STID 320	LOP Case No.: RO0000055
URF Filing Date: 10/9/94	SWEEPS No.: ---	APN: 049-1512-006 01 and 02

Responsible Parties	Addresses	Phone Numbers
Clearprint Paper Co., Inc.	Attn. Earl Mau 1482 67th Street Emeryville, CA c/o GPC International Attn. Don Fleischauer, Exec. VP 510 Broad Hollow Road Melville, New York 11747	510-652-4762 631-752-9600

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	9,450	mineral spirits	removed	October 3 & 4, 1994
2	8,000	solvent – Soltrol 10 (2,2,4-trimethylpentane and related isoparaffins)	removed	October 3 & 4, 1994
3	1,000	mineral spirits	removed	October 3 & 4, 1994
4	10,000	mineral spirits	removed	October 3 & 4, 1994
Piping			removed	October 3 & 4, 1994

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: UST failure – holes noted in tanks 1 and 3	
Site characterization complete? Yes	Date Approved By Oversight Agency: -----

Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 6.78	Lowest Depth: 11.03	Flow Direction: west
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity:
The East Bay Plain Groundwater Basin Beneficial Use Evaluation Report prepared by the Regional Water Quality Control Board, San Francisco Bay Region, dated June 1999, inventoried all municipal, domestic, industrial and irrigation wells permitted by the Alameda County Flood Control District. The East Bay Plain Study states that 0 permitted water wells were located in Emeryville, and that no extractive beneficial uses are planned in the future. The site is within the Emeryville Brownfields Groundwater Management Zone identified by the East Bay Plain study. The City of Emeryville has developed a sub-regional groundwater monitoring plan to protect groundwater in this Brownfields Zone. Older (and consequently un-permitted) deeper wells were also considered in the East Bay Plain study. The density of deeper wells in Emeryville as evaluated from the Dockweiler Report (dated 1912) is fairly low at about 1 deep well per square mile.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Francisco Bay, 2000 ft west of the site
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 USTs	Offsite Disposal. H&H Ship Service 220 Terry A. Francois Street San Francisco, CA 94107	October 3 & 4, 1994
Piping	unknown	unknown	October 3 & 4, 1994
Free Product	none	---	---
Soil	520 cu yds	Offsite Disposal. Gibson Oil and Refining, Bakersfield, CA	October 5 through 11, 1994
Groundwater	6,900 gals.	Offsite Disposal. Petroleum Recycling Co. Patterson, CA	October 5 through 11, 1994

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
(Please see Attachments 1thrrough 5 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	610	610	8,600**	<0.5
TPH (Diesel)	340	340	19,000	<0.4
Oil & Grease	930	930	12,000	NA
Benzene	20**	20**	730**	<0.5
Toluene	72**	72**	2,100**	<0.5
Ethylbenzene	35**	35**	300**	<0.5
Xylenes	180**	180**	1,400**	<0.5
Heavy Metals	33***	33***	NA	NA
MTBE	NA	NA	<1.0*	<1.0*
Other (8240/8270)	1.3****	1.3****	NA	NA

* <5.0 ppb TAME, <5.0 ppb ETBE, <5.0 ppb DIPE, <10 ppb TBA, <0.5 ppb EDB, and <0.5 ppb 1,2-DCA

Soil not analyzed for MTBE as USTs were never used for fuel. Mineral spirits and solvent (2,2,4-trimethylpentane) storage only.

** detected concentration believed to be the result of source at upgradient McGrath Steel site (RO-63) as data is from an offsite upgradient monitoring well that is adjacent to the former McGrath Steel UST location.

Heavy Metals = <0.25 mg/kg Cadmium (Cd), 20 mg/kg Chromium (Cr), 31 mg/kg Nickel (Ni), 31 mg/kg Lead (Pb) and 33 mg/kg Zinc (Zn), detected concentrations are shown in the attached tables and are consistent with anticipated naturally occurring background levels

***Highest LUFT 5 heavy metal concentration was 33 mg/kg Zinc.

NA = not analyzed or not applicable

****1.3 mg/kg naphthalene, 1.1 mg/kg anthracene, 1.1 mg/kg fluoranthene and 0.96 mg/kg pyrene

Site History and Description of Corrective Actions:
Clearprint Paper Company manufactured paper products from 1950 until approximately 2002. Manufacturing operations at the site included use of mineral oil. Two tanks were installed in 1950 through 1951, and two additional tanks were installed in 1978 through 1979. The underground storage tanks were formerly located onsite and contained mineral oil and the solvent Soltrol (2,2,4trimethylpentane and related isoparaffins). In 1990, Clearprint Paper Company discontinued the use of solvents at the site.

- All four tanks were removed from the site in October 1994.
- During removal of the underground storage tanks in 1994, overexcavation of soils surrounding the tanks was performed and soil was disposed offsite. Twenty-six confirmation soil samples and two groundwater samples were collected.
- Six soil borings were drilled in 1995. Three of the borings were backfilled with cement grout and monitoring wells were installed in the 3 remaining borings.
- The monitoring wells were sampled once in 1995 and three additional times in 2004.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes No
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes No
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.
Site Management Requirements: Case closure for this fuel leak site is granted for commercial/industrial use only. If a change in land use to residential or other more sensitive use occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated.
Should corrective action be reviewed if land use changes? Yes
List Enforcement Actions Taken: None
List Enforcement Actions Rescinded: None

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

In 1995, dissolved gasoline, including benzene, toluene, ethylbenzene and xylenes (BTEX), was detected in monitoring wells MW-1 and MW-3. Further, free product was observed in well MW-3 in 1996. Well MW-3 is upgradient of the site and is adjacent to former USTs at McGrath Steel, 6655 Hollis St., Emeryville. McGrath Steel is an active Leaking Underground Fuel Tank (LUFT) case being overseen by ACEH (case no. RO-63). Detectable levels of BTEX were present in site soils within the anticipated range of water level fluctuations. No BTEX was detected in shallow soil samples (<3 ft bgs). USTs at the site do not appear to have been used for fuel storage. Polynuclear aromatic hydrocarbons (PAHs) were detected in one soil sample only and appear to be limited in extent. The detected metals concentrations are consistent with anticipated naturally occurring background levels.

Soil and groundwater investigation at the site was limited to the UST vicinity only. No investigation of soil and groundwater conditions beneath the building immediately adjacent to the sidewalk) was performed. Accordingly, if land use changes to residential or other more sensitive use, site conditions will need to be re-evaluated.

In addition, boring logs for sample locations SB-1, SB-2 and SB-3 were not submitted to ACEH.

Conclusion:
Based on the considerations above, the site is likely not the source of the observed free product or the detected BTEX concentrations. The detected PAHs are localized and do not appear to pose a significant threat. Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Robert W. Schultz	Title: Hazardous Materials Specialist
Signature: Robert W. Schultz	Date: 5/11/05
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: Donna L. Drogos	Date: 05/11/05

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: ~~Associate Water Resources Control Engineer~~ Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 5/12/05
Signature:	Date: 5/12/05

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH:	Date of Well Decommissioning Report: 6/23/05	
All Monitoring Wells Decommissioned: Yes (No)	Number Decommissioned: 2	Number Retained: 1
Reason Wells Retained: MW 3 INCORPORATED INTO R063 GW MONITORING NETWORK		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature:	Date: 6/30/05	

Attachments:
1. Site Vicinity Map
2. Site Plan (2 pages)
3. Soil Analytical Data (19 pages)
4. Groundwater Analytical Data (3 pages)
5. Boring Logs (9 pages)

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

Re: 1482-67th St. Emeryville

Post-it® Fax Note 7671	Date 5/12/05 # of pages ▶ 1
To Rob Schultz	From Cherie McCaulou
Co./Dept. ACEH	Co RWQCB
Phone #	Phone # 510.622.2342
Fax # 510 337-9335	Fax # 510-622-2464

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name:	Title: Associate Water Resources Control Engineer
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature:	Date:

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH:	Date of Well Decommissioning Report:	
All Monitoring Wells Decommissioned: Yes No	Number Decommissioned:	Number Retained:
Reason Wells Retained:		
Additional requirements for submittal of groundwater data from retained wells:		
ACEH Concurrence - Signature:	Date:	

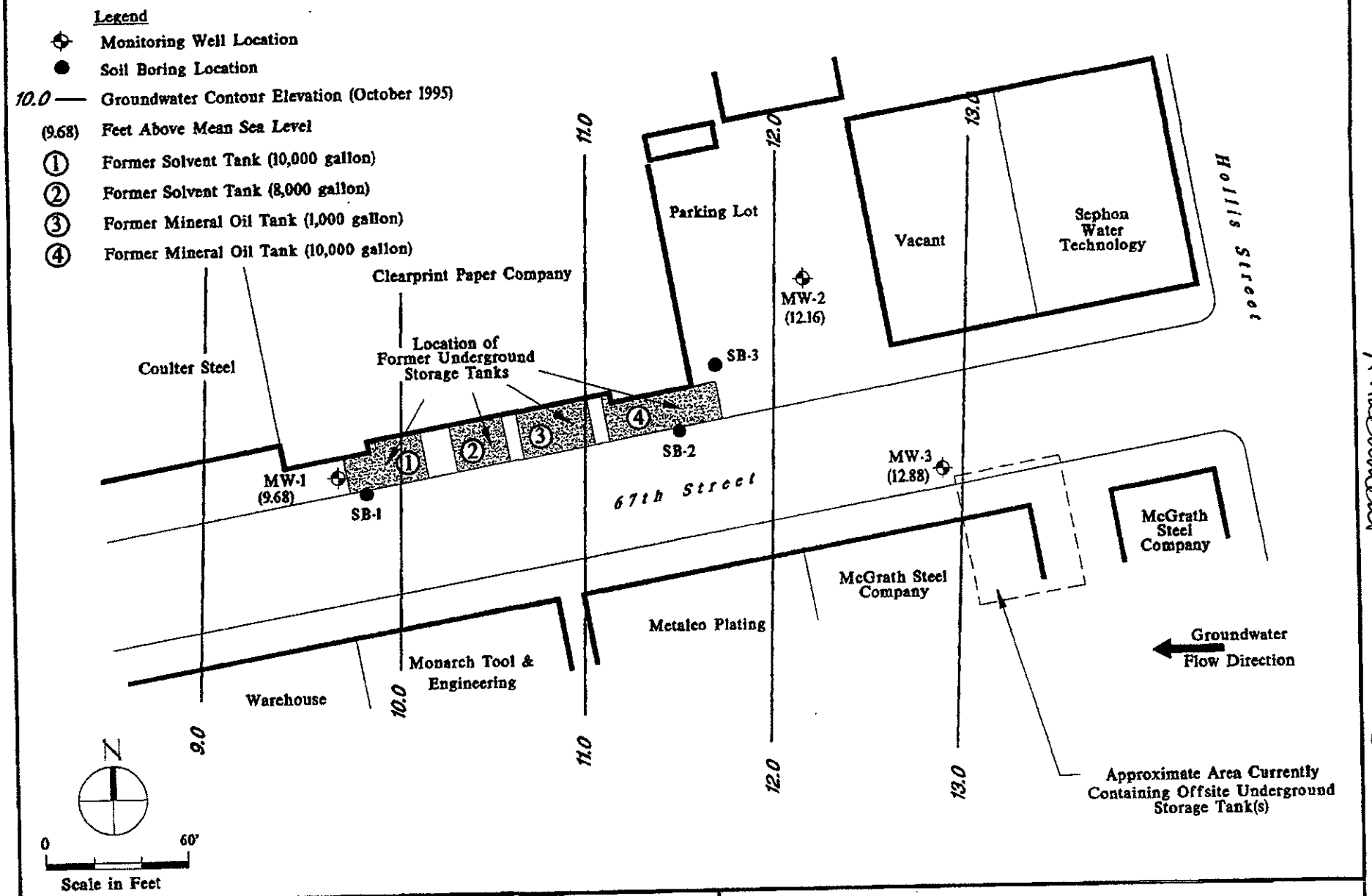
Attachments:
1. Site Vicinity Map
2. Site Plan (2 pages)
3. Soil Analytical Data (19 pages)
4. Groundwater Analytical Data (3 pages)
5. Boring Logs (9 pages)

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

Reference
Emeryville, California
Oakland West Quadrangle
Photorevised 1959. Scale 1:24,000

ENVIRONMENTAL STRATEGIES CORPORATION
226 Airport Parkway, Suite 630
San Jose, California 95110
408.453.6100

Figure 1
Site Location
Clearprint Paper Company
Emeryville, California

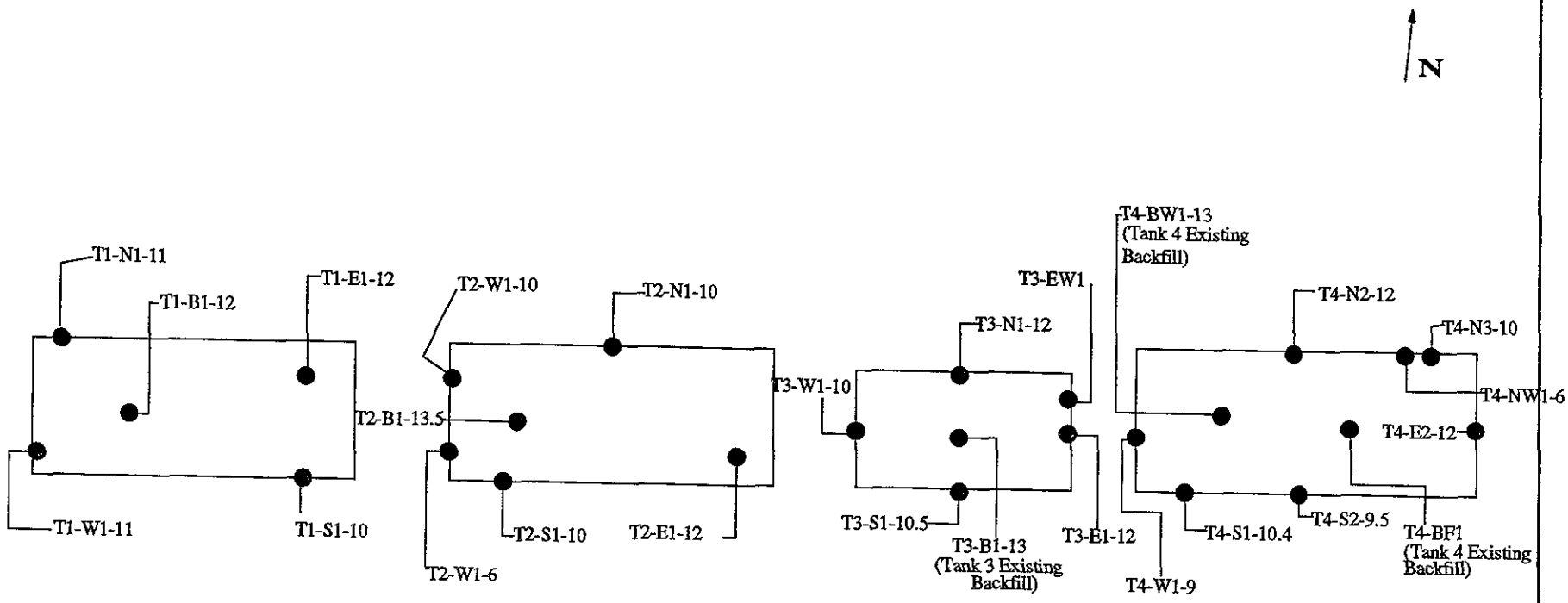


ENVIRONMENTAL STRATEGIES CORPORATION
101 Metro Drive Suite 650
San Jose, California 95110
408-453-6100

Figure 6
Groundwater Contour Elevation (November 21, 1995)
Clearprint Paper Company
Emeryville, California

CLEAR003.DWG

Attachment 2



Not to Scale

ENVIRONMENTAL STRATEGIES CORPORATION
101 Metro Drive Suite 650
San Jose, California 95110
408-453-6100

Figure 3
MARCOR Investigation Sample Locations
Clearprint Paper Co.
Emeryville, California

j:\lotus\proskaee\MARCOR.drw

TABLE 4
EMERYVILLE, CA
PAGE 15

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS-WATER
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/l				mg/l		
4812 T2-W1-6 SOUTHWEST EDGE 10/12/94	ND	ND	ND	ND	ND	0.170	12.0
4812 T4-W1-9 WEST/CENTER 10/12/94	ND	ND	ND	ND	ND	19.0	6.9
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

Attachment 3

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

TABLE 1
EMERYVILLE, CA
PAGE 1

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T1-B1-12 BOTTOM WEST SIDE 10/28/94	ND	ND	ND	ND	ND	ND	ND
4830 T1-E1-12 NORTHEASTERN BOTTOM 10/28/94	ND	ND	ND	ND	5.4	ND	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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TABLE 1
EMERYVILLE, CA
PAGE 2

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T1-N1-11 NORTHWESTERN SIDE 10/28/94	ND	ND	ND	ND	ND	ND	ND
4830 T1-S1-10 SOUTHEASTERN SIDE 10/31/94	ND	ND	ND	ND	ND	ND	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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TOG-TOTAL OILS & GREASE

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T1-W1-11 SOUTHWESTERN SIDE 10/31/94	14	10	11	32	34	56	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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TABLE 1
EMERYVILLE, CA
PAGE 4

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T2-B1-13.5 BOTTOM WEST SIDE 10/31/94	0.079	0.75	0.75	2.3	22	ND	ND
4830 T2-E1-12 SOUTHEASTERN BOTTOM 10/31/94	0.180	0.54	0.34	1.3	10	54	340
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T2-N1-10 CENTER NORTH 10/31/94	ND	0.63	0.65	2.0	16	ND	120
4830 T2-S1-10 SOUTHWESTERN EDGE 10/31/94	ND	0.66	0.064	1.3	5.7	ND	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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TABLE 1
EMERYVILLE, CA
PAGE 6

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T2-W1-10 NORTHWESTERN EDGE 10/31/94	ND	0.52	ND	1.3	1.6	ND	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER	EPA TEST METHOD 8240						
SAMPLE IDENTIFICATION #	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
DESCRIPTION	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
ANALYSIS DATE	mg/kg (ppm)				mg/kg (ppm)		
4830 T3-B1-13 EXISTING BACKFILL - 13' BGS. 11/1/94	ND	0.097	ND	0.19	0.52	ND	ND
4830 T3-E1-12 EAST SIDE - 12' BGS 10/27/94	ND	ND	ND	ND	ND	5.3	410
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

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TABLE 1
EMERYVILLE, CA
PAGE 8

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER	EPA TEST METHOD 8240						
SAMPLE IDENTIFICATION #	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
DESCRIPTION	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
ANALYSIS DATE	mg/kg (ppm)				mg/kg (ppm)		
4830 T3-N1-12 NORTHSIDE - 12' BGS 10/27/94	ND	0.22	ND	0.4	3.5	7.3	930
4830 T3-S1-10.5 SOUTHSIDE - 10.5' BGS 10/27/94	0.16	0.24	ND	1.0	ND	ND	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

TABLE 1
EMERYVILLE, CA
PAGE 9

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER	EPA TEST METHOD 8240						
SAMPLE IDENTIFICATION #	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
DESCRIPTION	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
ANALYSIS DATE	mg/kg (ppm)				mg/kg (ppm)		
4830 T3-W1-10 WEST SIDE - 10' BGS 11/1/94	ND	ND	ND	ND	ND	ND	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

TABLE 1
EMERYVILLE, CA
PAGE 10

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T4-BW1-13 EXISTING BACKFILL - 13' BGS 10/27/94	0.49	0.3	0.21	2.1	1.1	4.4	ND
4830 T4-E2-12 CENTER EASTSIDE - 12' BGS 10/27/94	1.1	5.2	5.8	28	120	340	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240						
	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	mg/kg (ppm)				mg/kg (ppm)		
4830 T4-N2-12 CENTER NORTH - 12' BGS 10/27/94	5.2	9.2	9.1	31	69	36	ND
4830 T4-N3-10 NORTH EAST SIDE - 10' BGS 11/1/94	ND	11	19	58	140	110	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER	EPA TEST METHOD 8240						
SAMPLE IDENTIFICATION #	BETX 5030/8020				DHS METHOD	DHS METHOD	5520F
DESCRIPTION	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
ANALYSIS DATE	mg/kg (ppm)				mg/kg (ppm)		
4830 T4-S1-10.4 SOUTH WEST SIDE - 10.4' BGS 11/1/94	2.5	5.6	9.4	38	610	150	ND
4830 T4-S2-9.5 SOUTH CENTER - 9.5' BGS 11/1/94	ND	12	19	57	300	190	ND
REPORTING LIMIT DETECTION LIMIT	0.005	0.005	0.005	0.005	5	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

TABLE 2
EMERYVILLE, CA
PAGE 13

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSIS OF SOIL
TANK EXCAVATION AREA

LOG NUMBER / SAMPLE IDENTIFICATION # / DESCRIPTION / ANALYSIS DATE	EPA TEST METHOD 8240				DHS METHOD	DHS METHOD	5520F
	BETX 5030/8020						
	BENZENE	ETHYL BENZENE	TOLUENE	XYLENE	TPH-G	TPH-D	TOG
	PARTS PER MILLION (ppm)				PARTS PER MILLION (ppm)		
4784 T4-BF1 EXISTING BACKFILL 9/22/94	ND	210	180	1.5	14.0	220	ND
4784 T4-NW1-6 NORTH WALL, EAST END 6' BGS 9/22/94	0.59	190	320	1.0	7.9	3.0	ND
4784 T3-EW 1 EAST END 1' BGS 9/22/94	ND	ND	ND	ND	ND	ND	630
REPORTING LIMIT DETECTION LIMIT (ppm)	.36	.18	.18	.18	3.7	5	5
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	.50	NONE	NONE	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

CLEAR PRINT PAPER COMPANY
SUMMARY OF CHEMICAL ANALYSES-SOIL
ADDITIONAL TANK PIT & BACKFILL

LOG NUMBER	EPA TEST METHOD			
SAMPLE IDENTIFICATION #	8270			
DESCRIPTION	NAPTHALENE	ANTHRACENE	FLUOANTHENE	PYRENE
ANALYSIS DATE	mg/l			
4784 T4-BF1 EXISTING BACKFILL 9/27/94	1.30	1.1	1.1	0.96
4784 T4-NW1-6 NORTH WALL, EAST END 6' BGS 9/27/94	ND	ND	ND	ND
4784 T3-EW 1 BACKFILL-EAST END 1' BGS 9/27/94	ND	ND	ND	ND
REPORTING LIMIT DETECTION LIMIT	.66	.66	.66	.66
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	NONE	NONE	NONE	NONE

NOTES:

BGS-BELOW GROUND SURFACE
ND-NOT DETECTED
TPH-G-TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPH-D-TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TOG-TOTAL OILS & GREASE

SUMMARY OF CHEMICAL ANALYSIS OF SOIL
ADDITIONAL TANK PIT & BACKFILL

LOG NUMBER	EPA TEST METHOD 8270																
SAMPLE ID#	7040	7060	7080	7090	7130	7190	7200	7210	7420	7471	7480	7520	7740	7760	7840	7910	7950
DESCRIPTION	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	MOLYBDENUM	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
ANALYSIS DATE	mg/kg (ppm)																
4784 T4-BF1 EXISTING BACKFILL 9/23/94	ND	7.20	75.0	ND	ND	20.0	ND	14.0	31.0	ND	ND	22.0	ND	ND	ND	14.0	33.0
4784 T4-NW1-6 NORTH WALL, EAST END 6' BGS 9/26/94	ND	10.0	180	0.34	ND	16.0	ND	12.0	ND	ND	ND	31.0	ND	ND	ND	13.0	21.0
4784 T3-EW 1 EXISTING BACKFILL-EAST END 1' BGS 9/27/94	ND	5.0	210	0.160	ND	14.0	13.0	9.1	ND	ND	ND	12.0	ND	ND	ND	16.0	9.30
REPORTING LIMIT DETECTION LIMIT	79.	.16	50.	.12	.25	1.2	12	.50	3.6	.12	25.	7.5	.25	.28	2.5	5.0	1.2
REGULATORY LIMIT FOR TOXICITY CHARACTERISTICS	NONE	5.0	NONE	NONE	1.0	5.0	NONE	NONE	5.0	.20	NONE	NONE	1.0	5.0	NONE	NONE	NONE

Table 1
Analytical Results - Soil and Groundwater Samples
Clearprint Paper Company Facility, Emeryville, CA
1994 MARCOR Investigation (a)

Soil Sample Analytical Results (mg/kg)

Analyte	T1-N1-11	T1-E1-12	T1-S1-10	T1-W1-11	T1-B1-12
TPH-diesel	5 U	5 U	5 U	56	5 U
TPH-gasoline	5 U	5.4	5 U	34	5 U
Oil and Grease	5 U	5 U	5 U	5 U	5 U
Benzene	0.005 U	0.005 U	0.005 U	14	0.005 U
Toluene	0.005 U	0.005 U	0.005 U	11	0.005 U
Ethylbenzene	0.005 U	0.005 U	0.005 U	10	0.005 U
Xylenes (total)	0.005 U	0.005 U	0.005 U	32	0.005 U

Analyte	T2-N1-10	T2-E1-12	T2-S1-10	T2-W1-6	T2-W1-10
TPH-diesel	5 U	54	5 U	0.170	5 U
TPH-gasoline	16	10	5.7	5 U	1.6
Oil and Grease	120	340	5 U	12.0	5 U
Benzene	0.005 U	0.180	0.005 U	0.005 U	0.005 U
Toluene	0.65	0.34	0.64	0.005 U	0.005 U
Ethylbenzene	0.63	0.54	0.66	0.005 U	0.52
Xylenes (total)	2.0	1.3	1.3	0.005 U	1.3

Analyte	T2-B1-13.5	T3-N1-12	T3-E1-12	T3-S1-10.5	T3-W1-10
TPH-diesel	5 U	7.3	5.3	5 U	5 U
TPH-gasoline	22	3.5	5 U	5 U	5 U
Oil and Grease	5 U	930	410	5 U	5 U
Benzene	0.079	0.005 U	0.005 U	0.16	0.005 U
Toluene	0.75	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	0.75	0.22	0.005 U	0.24	0.005 U
Xylenes (total)	2.3	0.4	0.005 U	1.0	0.005 U

Analyte	T3-EW1	T3-B1-13	T4-NW1-6	T4-N2-12	T4-N3-10
TPH-diesel	5 U	5 U	3.0	36	110
TPH-gasoline	3.7 U	0.52	7.9	69	140
Oil and Grease	630	5 U	5 U	5 U	5 U
Benzene	0.36 U	0.005 U	0.59	5.2	0.005 U
Toluene	0.18 U	0.097	320	9.1	19
Ethylbenzene	0.18 U	0.005 U	190	9.2	11
Xylenes (total)	0.18 U	0.19	1.0	31	58

Table 1 (continued)
Analytical Results - Soil and Groundwater Samples
Clearprint Paper Company Facility, Emeryville, California
1994 MARCOR Investigation (a)

Soil Sample Analytical Results (mg/kg)

Analyte	T4-E2-12	T4-S1-10.4	T4-S2-9.5	T4-W1-9	T4-BW1-13
TPH-diesel	340	150	190	19.0	4.4
TPH-gasoline	120	610	300	5 U	1.1
Oil and Grease	5 U	5 U	5 U	6.9	5 U
Benzene	1.1	2.5	0.005 U	0.005 U	0.49
Toluene	5.8	9.4	19	0.005 U	0.21
Ethylbenzene	5.2	5.6	12	0.005 U	0.3
Xylenes (total)	28	38	57	0.005 U	2.1

Analyte	T4-BF1
TPH-diesel	220
TPH-gasoline	14.0
Oil and Grease	5 U
Benzene	0.36 U
Toluene	180
Ethylbenzene	210
Xylenes (total)	1.5

Groundwater Sample Analytical Results (ug/l)

Analyte	T2-W1 (water)	T4-W1 (water)
TPH-diesel	170	19,000
TPH-gasoline	50 U	50 U
Oil and Grease	12,000	6,900
Benzene	0.5 U	0.5 U
Toluene	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U
Xylenes (total)	0.5 U	0.5 U

a/U = undetected at indicated detection limit

Table 3
Analytical Result Summary for Soil Samples
Clearprint Facility, Emeryville, CA
Supplemental Investigation, October 1995 (mg/kg) (a)

Analyte	MW-1@8.5	MW-1@11.5	MW-2@8.0	MW-2@16.5
TPH-diesel	10 U	10 U	10 U	10 U
TPH-gasoline	46	39	0.5 U	0.5 U
Mineral oil	10 U	10 U	10 U	10 U
Benzene	0.69	0.56	0.005 U	0.005 U
Toluene	0.17	1.6	0.005 U	0.005 U
Ethylbenzene	0.53	0.71	0.005 U	0.005 U
Xylenes (total)	0.79	3.4	0.005 U	0.005 U

Analyte	MW-3@6.5	MW-3@11.0	MW-3@18.5	MW-3@24.5
TPH-diesel	10 U	11	10 U	10 U
TPH-gasoline	1.5	330	0.5 U	0.5 U
Mineral oil	10 U	10 U	10 U	10 U
Benzene	0.068	5.0	0.005 U	0.005 U
Toluene	0.16	16	0.005 U	0.008
Ethylbenzene	0.032	5.2	0.005 U	0.005 U
Xylenes (total)	0.13	29	0.005 U	0.005 U

Analyte	SB-1@6.0	SB-1@11.5	SB-2@5.5	SB-2@10.5
TPH-diesel	10 U	10 U	25	120
TPH-gasoline	0.5 U	2.0 J	330	730
Mineral oil	12	10 U	10 U	20
Benzene	0.005 U	0.006 J	11	9.4
Toluene	0.005 U	0.014 J	5.9	30
Ethylbenzene	0.005 U	0.013 J	6.6	13
Xylenes (total)	0.005 U	0.014 J	35	65

Analyte	SB-2@14.0	SB-3@9.0	201(duplicate of SB-1@11.5)
TPH-diesel	120	24	10 U
TPH-gasoline	1700	0.5 U	220
Mineral oil	21	24	10 U
Benzene	20	0.005 U	4.4
Toluene	72	0.005 U	4.2
Ethylbenzene	35	0.005 U	3.0
Xylenes (total)	180	0.005 U	15

a/U = undetected at indicated detection limit; UJ = estimated and undetected; J = estimated

Table 1

Historical Groundwater Elevations
Clearprint Paper Company Facility
Emeryville, California

Monitoring Well	Date	Depth to Groundwater (Ft)	Depth to Free Product (Ft)	Groundwater Elevation (Ft MSL)	Change in Elevation (ft)
MW-1	10/17/95	10.21	N/A	10.11	
	11/21/1995	10.64	N/A	9.68	-0.43
	12/23/1996	9.07	N/A	11.25	1.56
	1/15/1996	9.34	N/A	10.98	-0.27
	2/16/1996	7.46	N/A	12.86	1.88
	3/28/1996	7.48	N/A	12.84	-0.02
MW-2	10/17/95	10.28	N/A	12.91	
	11/21/1995	11.03	N/A	12.16	-0.75
	12/23/1996	9.21	N/A	13.98	1.13
	1/15/1996	9.40	N/A	10.92	-3.06
	2/16/1996	7.35	N/A	12.97	2.05
	3/28/1996	7.32	N/A	13.00	0.03
MW-3	10/17/95	9.42	N/A	13.31	
	11/21/1995	9.85	N/A	12.88	-0.43
	12/23/1996	8.52	N/A	14.21	1.14
	1/15/1996	8.72	N/A	11.60	-2.61
	2/16/1996	7.08	7.04 (a)	13.24	1.64
	3/28/1996	6.78	6.75 (a)	13.54	0.30

a/ = Measurable free product was brown with a solvent/hydrocarbon odor and low viscosity.

Attachment 4

Table 4
Analytical Result Summary for Groundwater Samples
Clearprint Facility, Emeryville, CA
Supplemental Investigation, October 1995 (ug/l) (a)

Analyte	MW-1	MW-2	MW-3	201(duplicate of MW-1)
TPH-diesel	590	65	220	650
TPH-gasoline	8100	50 U	8600	7400
Mineral oil	100 U	100 U	100 U	100 U
Benzene	160	0.50 U	730	120
Toluene	710	0.8 U	2100	570
Ethylbenzene	300	0.50 U	270	250
Xylenes (total)	1500	0.9 U	1400	1300

a/U = undetected at indicated detection limit

Groundwater Sample Summary
Clearprint, Emeryville, Ca (a)

Date	Location	Benzene	Toluene	Ethylbenzene	Xylenes	TPHg	TPHd	TPHmin	TPH C6-C40	TCE	cis-1,2-DCE
10/17/1995	MW-1	160	710	300	1,500	~~NA~~ 8100	590	<100	NA	NA	NA
9/28/2004	MW-1	2	<0.001	4	<0.003	<0.5	<0.4	<0.4	NA	NA	NA
11/18/2004	MW-1	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	ND**	<0.5	<0.5
10/17/1995	MW-2	<0.5	0.8	<0.5	0.9	<50	65	<100	NA	NA	NA
9/28/2004	MW-2	<0.001	<0.001	<0.001	<0.003	<0.5	<0.4	<0.4	NA	NA	NA
11/18/2004	MW-2	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	ND***	47	0.9
12/3/2004	MW-2	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	68	1.9
10/17/1995	MW-3*	730	2,100	270	1,400	8,600	220	<100	NA	NA	NA
	MCLs	0.5	150	300	1,750					5	6
	ESLs					100	100	100			

a\ ug/l
ND\ not detected at instrument reporting limit
TPH\ total petroleum hydrocarbons
MCLs\ Maximum Contaminant Levels
ESLs\ San Francisco Bay RWQCB Environmental Screening Levels (February 2005)
*\ MW-3 no longer exists
**\ reporting limit for C6-C12 was 0.50; for C12-22 and C22-C40 was 0.40

Attachment #5

BORING LOG
Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

PROJECT
Chevron
1482 67th ST
Emeryville CA 94608

Boring No. MW-1
Sheet 1 of ___
Date Drilled 10/18/95

Approved by:

Drilling Co. WEST HAZMAT
Driller LEE FOX
ESC Geologist JEFF BENSON

Boring Location west side TANK 1
Ground Elevation ___
TOC Elevation ___

Boring
Method Hollow Stem auger
Hole Diameter 8"
Inside Diameter 3.75"
Total Depth ___

Outer Casing
Type N/A
Diameter ___
Length ___

Well Casing/Screen/Filter Pack
Type/Diameter Sched 40/2
Screen Length 15'
Screen Slot Size .01 Filter Pack 2/12
Total Depth 23'

Sampler
Method SS
Length (ft) 18"
Hammer (lbs)/Fall (ins) 140lb 26"

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
N/A				N/A		1	10" reinforced concrete. Begin drilling @ 0735		
						2			
19				0		3	olive gray 5Y 3/2 silty clay dense	ML	
22						4			
34						5			
29				0		6	Grayish olive 10Y 4/2 to lt olive brown 5Y 5/6		
36				0		7	Mottled coarse sandy clay (dry)	GL	
55				8.9		8			
				6.5		9	Moderate yellow brn 10Y 5/4 w/some 10Y 4/2 Dense fat clay (dry) w/ silt	CL	
14				8.7		10			
22			0815	12.3		11	→ collected @ Sample 201 (Dup of 11.5)		
32				8.3		12	Some silty coarse sandy clay → GW		
				9.6		13	Coarse & Very Coarse silty sand w/ gravel. Drill w/ plug & tap water to install well	SP	
12				12.2		14			
15				49.8		15	No SAMPLING		
19			0825	41.8		16			
				10.2		17			
N/A				N/A					

BORING LOG
Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

PROJECT [redacted]arpoint
[redacted]482 64TH ST
Emeryville CA 94608

Boring No. MW-1 [redacted]
Sheet 2 of 2
Date Drilled 10/[redacted]/95

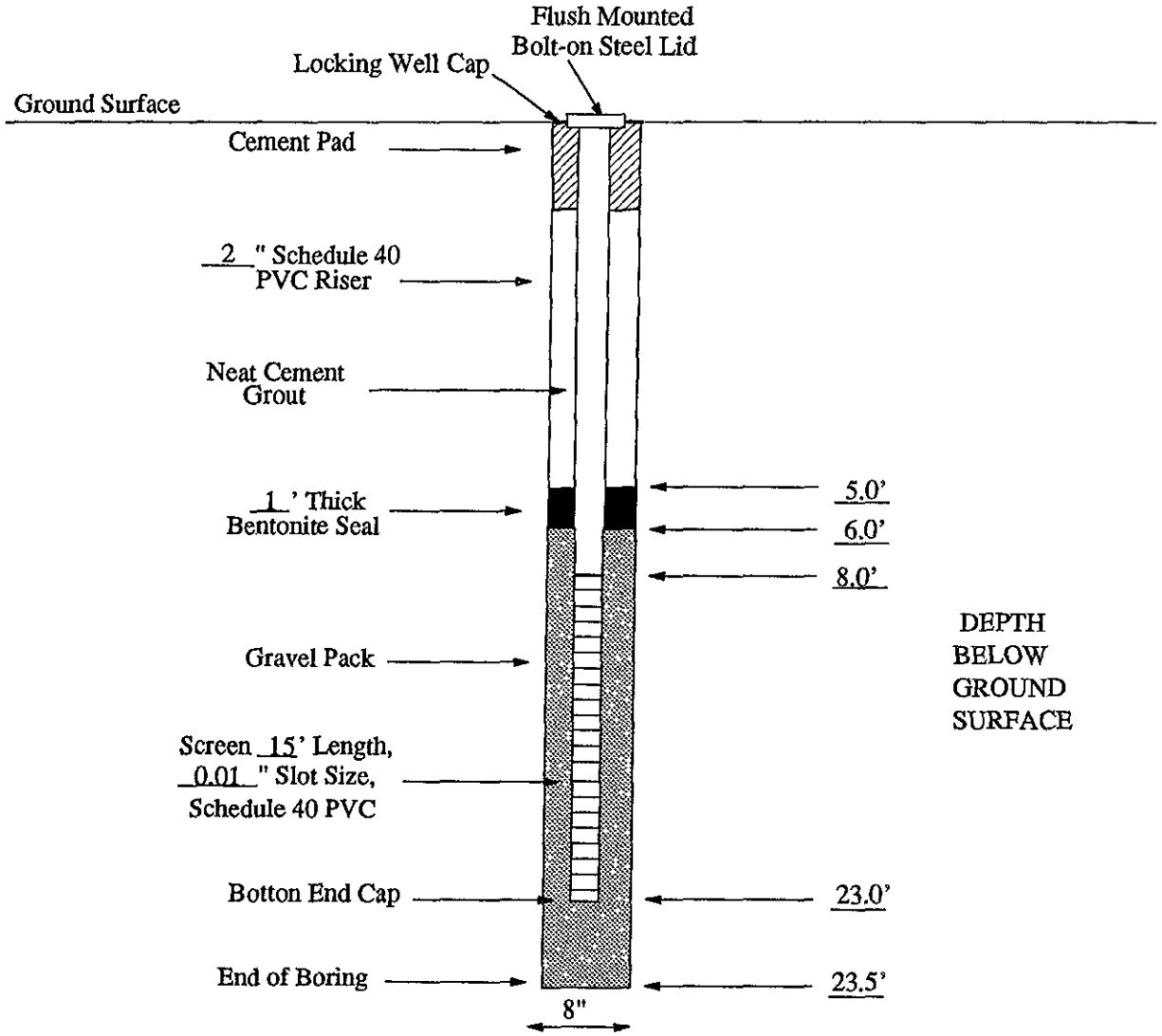
Approved by:

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
						18			
						19			
						20			
						21			
						22			
						23	END of Boring		
						24			
						25			
						26			
						27			
						28			
						29			
						30			
						31			
						32			
						33			
						34			
						35			
						36			
						37			
						38			

SITE NAME: Clearprint

LOCATION: Emeryville, California

DATE: 10/11/93



AS-BUILT DIAGRAM FOR WELL MW-1

ESC

ENVIRONMENTAL STRATEGIES CORP.
101 Metro Drive Suite 650
San Jose, California 95110
408-453-6100

j:\tous\proskaue\10-11-93.drw

BORING LOG
Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

PROJECT
[redacted] Blueprint
1482 67TH st
Emeryville CA 94608

Boring No. MW-2
Sheet 1 of 2
Date Drilled 10/10/95

Approved by:

Drilling Co. West Hazmat
Driller Lee Fox
ESC Geologist [signature]

Boring Location NE of TANK 4
Ground Elevation
TOC Elevation

Boring
Method Hollow Stem Auger
Hole Diameter 8"
Inside Diameter 3.75"
Total Depth 27.5

Outer Casing
Type N/A
Diameter
Length

Well Casing/Screen/Filter Pack
Type/Diameter Sched 40 / 2"
Screen Length 15'
Screen Slot Size 0.01 Filter Pack 2/12
Total Depth 27.5

Sampler
Method SS split spoon
Length (ft) 18"
Hammer (lbs)/Fall (ins) 140 lb 26"

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
N/A				N/A		1	Asphalt / base		
						2			
12				0		3	Greenish black clay 5G 2/1		
17						4			
27						5		GL	
18				4.9			Clays w/ med coarse sand		
19				10.9		6	Dark greenish gray 5G 4/1		
38				16.2					
				12.1		7			
13		8'	0915	18.7		8	MOD YELLOW BRN 10YR 5/4	SM	
21				34.9			Fine silty sand (dry)		
26				19.1		9			
				12.0		10			
12				12.2			Light olive gray 5Y 5/2 to mottled		
12				9.1		11	olive brn 5Y 4/4		
22				10.2					
				8.6		12			
13				12.1		13	mottled olive brn 5Y 4/4	SM	
18				8.9			Some coarse sand but mostly		
21				10.3		14	fine silty sand		
				15.8		15			
18				22.2			Silty sand (moist) w/ some		
22				48.2		16	coarse sand & very coarse sand		
26			0938	11.2			5Y 5/2 - 5Y 4/4	GP	
				42.1		17	GW COARSE SANDY GRAVEL (wet)		

BORING LOG
Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

PROJECT
[redacted] Shellmart
1982 64th st
Emeryville CA 94608

Boring No. MW-2
Sheet 2 of 2
Date Drilled 10/10/95

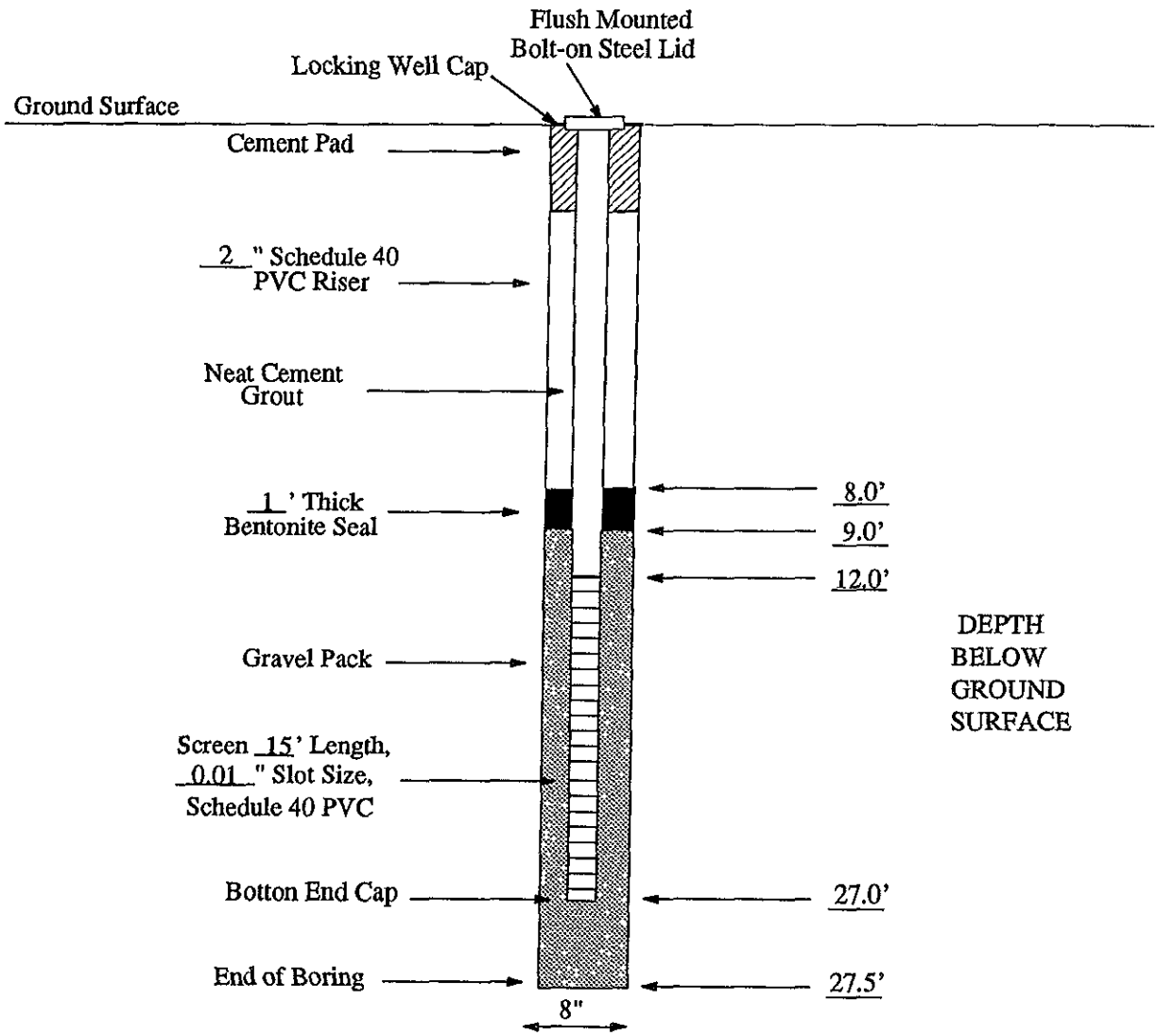
Approved by:

Blows/Ft	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
50/6"				11.0		18	Coarse & very coarse sand some gravel. Heaving sands w.c. = 15' in augers	GP	
6				2.0		19			
						20			
						21			
						22	Time 1041 Pale brown 5Y 5/2 to 10Y 5/2 Silty coarse sand	SM	
						23			
						24			
						25			
						26			
						27			
						28	End of boring 27.5' water level @ 14.9' in augers w/ wood plug installed		
						29			
						30			
						31			
						32			
						33			
						34			
						35			
						36			
						37			
						38			

SITE NAME: Clearprint

LOCATION: Emeryville, California

DATE: 10/10/93



AS-BUILT DIAGRAM FOR WELL MW-2

ESC

ENVIRONMENTAL STRATEGIES CORP.
101 Metro Drive Suite 650
San Jose, California 95110
408-453-6100

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BORING LOG
Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

PROJECT
[redacted]ARPRINT
1492 67TH ST
Emeryville CA
McGRATH

Boring No. MW-3
Sheet 1 of 2
Date Drilled 10/11/95

Approved by:

Drilling Co. WEST HAZMAT
Driller LEE FOX
ESC Geologist JBENSON

Boring Location SE of TANK 4
Ground Elevation
TOC Elevation

Boring
Method Hollow Stem Auger
Hole Diameter 8"
Inside Diameter 3.75"
Total Depth 29.4'

Outer Casing
Type N/A
Diameter
Length

Well Casing/Screen/Filter Pack
Type/Diameter Sched 40 / 2"
Screen Length
Screen Slot Size 0.01 Filter Pack #2/12
Total Depth 29.4

Sampler
Method SS Split spoon
Length (ft) 18"
Hammer (lbs)/Fall (ins) 140 lb 26"

Blows/Ft.	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
N/A				NA		1	Asphalt / Base mat'l		
						2			
						3			
13				13.8			Mod yel brown 10YR 5/4	CL	
28				29.9		4	Silty clay some 10YR 2/2		
13				20.1			Mottled		
				11.2		5			
10				28.9		6	Lt olive gray 5Y 5/2 mottled		
15			1515	32.6			w/ mod brn 5YR 3/4 Silty		
23				18.9		7	Clay		
				16.7		8	Some grayish green		
14			1525	78.0					
17				1128.8		9			
28				149.6					
				231.1		10			
20			1530	1172.1		11	Mod yel brn 10YR 5/4 some	SM	strong petro/solvent odor
28				585.6			Gray green 5G 5/2 Mottled silty		
32				72.9		12	Very coarse sandy gravel some clay		
						13			
13				29.4			Mod yel brn 10YR 5/4 silty clay		
13				7.6		14	w/ some coarse sand.		
21				4.3					
				4.0		15			
23				4.4		16	Mod yellow brn 10YR 5/4 Very		
27				8.3			coarse clay w/ some gravel		
38				10.2		17			

BORING LOG
Environmental Strategies Corporation
101 Metro Drive, Suite 650
San Jose, CA 95110

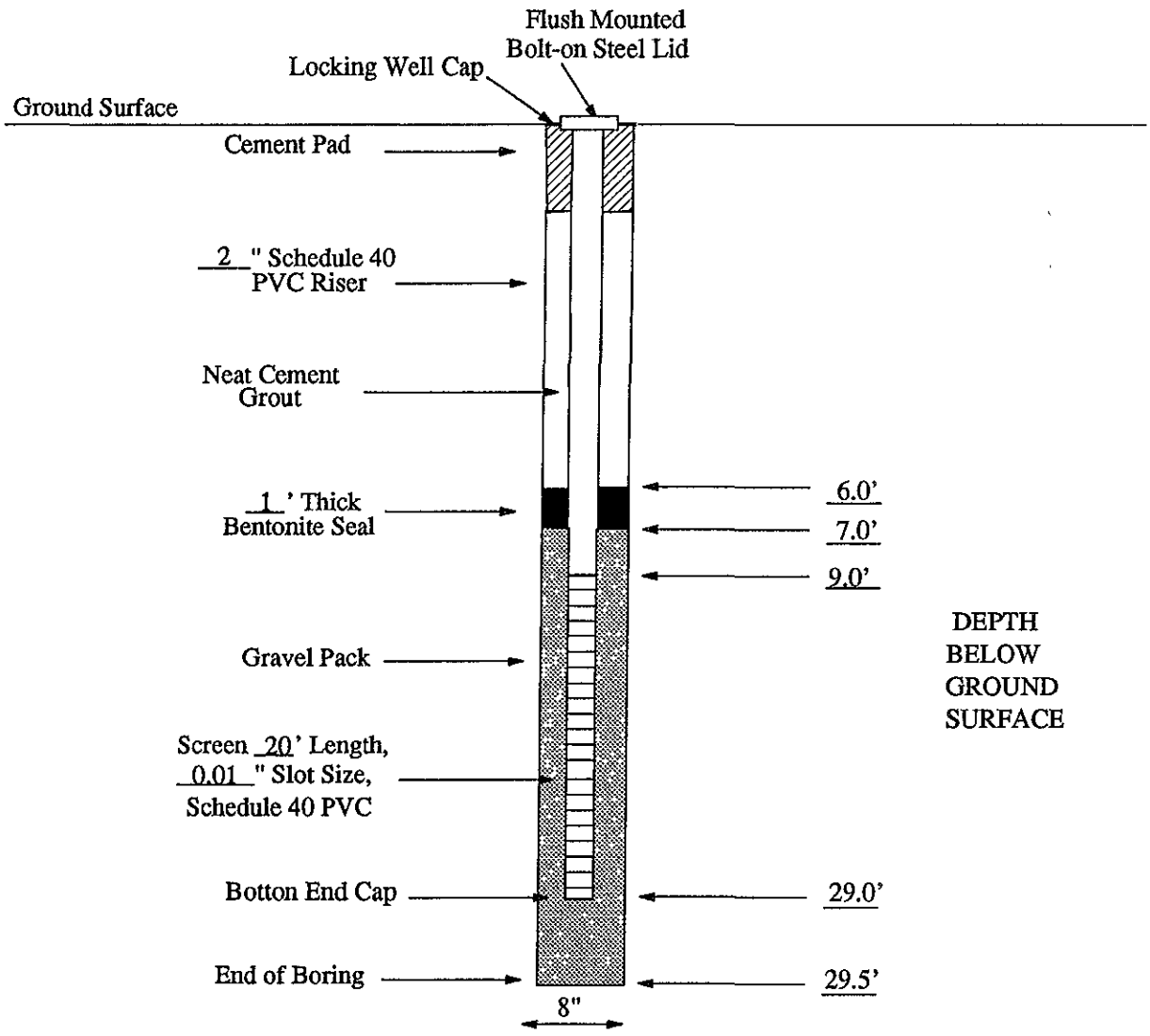
PROJECT [redacted]

Boring No. [redacted]
Sheet ___ of ___
Date Drilled ___

Approved by:

Blows/Ft	Sample Depth	Water Level Time & Date	Sample Time	PID (ppm)	Core Sample Number	Depth (ft)	Description	Graphic Log	Well Construction
						18			
22			1600	0			Same as above	CL	
26				2.0		19			
30				0					
				0		20			
16						21			
19									
26						22			
						23			
12				0			Same as above w/ some mottling		
17				1.5			silty clay	CL	
30			1638	0		24			
				0					
						25			
+50						26			
muck in augers							No recovery Fine silty sand		
						27	Muck in augers some grayish	SM?	
							black org		
						28			
						29			
							End of boring 29.4'		
						30			
						31			
						32			
						33			
						34			
						35			
						36			
						37			
						38			

SITE NAME: Clearprint
LOCATION: Emeryville, California
DATE: 10/11/95



AS-BUILT DIAGRAM FOR WELL MW-3

ESC
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101 Metro Drive Suite 650
San Jose, California 95110
408-453-6100

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