

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J KEARS, Agency Director



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

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 532 - 8717 G Street, Oakland, CA
(1-2,500 gallon gasoline tank removed in January 27,
1987)

April 1, 1997

Mr. William Taylor
8451 San Leandro Street
Oakland, CA 94621

Mr. Robert Neal
O-I Brockway Glass
6150 Stoneridge Mall Rd #375
Pleasanton, CA 94588

Dear Messrs. Taylor and Neal:

This letter confirms the completion of site investigation and remedial action for the underground storage tank 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 tank is 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, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment-case closure summary)
Cheryl Gordon, UST Cleanup Fund
files-ec (brockway.3)

01-0242

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: November 19, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Barney Chan Title: Haz Materials Spec.

II. CASE INFORMATION

Site facility name: Brockway, Inc.
Site facility address: 8717 G Street, Oakland, CA 94621
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 532
URF filing date: 1/30/87 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
William Taylor	8451 San Leandro St, Oakland, CA 94621	
O-I Brockway Glass Attn. Robert Neal	6150 Stoneridge Mall Rd, #375, Pleasanton, CA 94588	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	2,500	Gasoline	Removed	1/27/87

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 10/7/96
Monitoring Wells installed? Yes Number: 1
Proper screened interval? Yes, 9' to 26' bgs
Highest GW depth below ground surface: ~9' to 11' bgs
Flow direction: Unknown, but regional groundwater flows to west, southwest
Most sensitive current use: Industrial
Are drinking water wells affected? No Aquifer name: Unknown
Is surface water affected? No Nearest affected SW name: NA
Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

ENVIRONMENTAL PROTECTION
JAN-22 PM 2:14 '96

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tank	1 UST	Unknown	1/10/87
Piping			
Soil	30 cy	Aerated and reused to fill pit	1987

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before¹</u>	<u>After²</u>	<u>Before³</u>	<u>After⁴</u>
TPH (Gas)	2,200	130	590	<50
TPH (Diesel)				
Benzene	NA	4.2	10	11
Toluene	NA	0.6	<0.001	1.1
Ethylbenzene	NA	3.1	NA	1
Xylenes	NA	21	36	2.5

- NOTE: 1 soil sample collected at 10' bgs at time of tank removal
 2 soil from well boring at 11' bgs
 3 initial groundwater sample from monitoring well
 4 final groundwater sample collected April 1988

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **No, pending site closure**
 Number Decommissioned: 0 Number Retained: 1
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 11/19/96

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

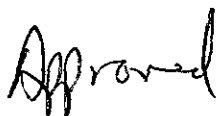
Signature:  Date: 11-19-96

Name: Thomas Peacock Title: Supervisor

Signature:  Date: 11-19-96


VI. RWQCB NOTIFICATION

Date Submitted to RB: 11/19/96

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: 

Date: 12/1/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

A 2,500-gallon gasoline UST was removed from the site on January 10, 1987. Fuel product was observed to pool at the bottom of the excavation. Two soil samples were collected from below the tank invert at ~10' bgs and analyzed for TPHg. Up to 2,200 ppm TPHg was identified. No analysis for BTEX was performed. (See Figs 1 and 2, Table 1)

Following tank removal, the excavated soil was placed back into the excavation. This soil (~30 cy) was re-excavated in May 1987 and two additional soil samples collected from the excavation at 10.5' bgs. Up to 60 ppm TPHg, 1.6, 6.3, and 29 ppm BTX was identified. (See Table 1)

The excavated soil was aerated onsite. After completion of aeration, clean sands were placed in the bottom of the former tank excavation and aerated soil were placed on top of the clean sands.

One groundwater monitoring well was installed approximately six feet from, and to the west of the former tank excavation. A soil sample which was collected from the boring at 11' bgs contained 130 ppm TPHg, 4.2, 0.6, 3.1, and 21 ppm BTEX, respectively. (See Table 1)

Groundwater was sampled for four quarters (May and Sep 1987, Jan and Apr 1988). Low levels of TPHg and BTEX have been identified. (See Table 2). It does not appear that the fuel release has significantly impacted groundwater quality beneath the site.

In summary, case closure is recommended because:

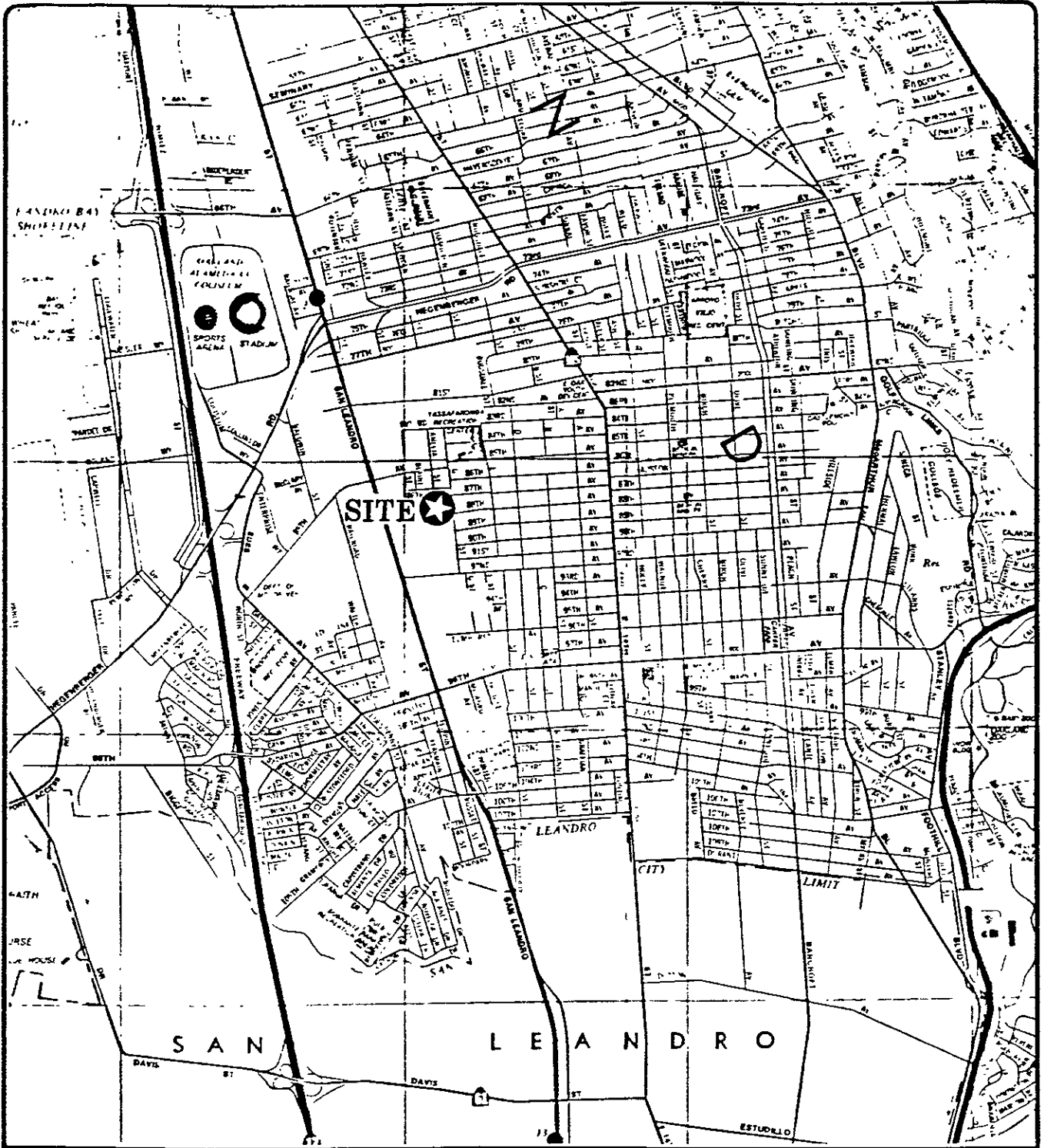
- o the leak and ongoing sources have been removed;
- o the site has been adequately characterized;
- o the dissolved plume is not migrating;
- o no water wells, surface water, or other sensitive receptors are likely to be impacted; and,

Groundwater at this site is not a source for drinking water.

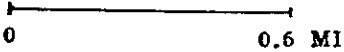
- o the site presents no significant risk to human health or the environment.

The health risk from soil volatilization to outdoor air (the potential exposure pathway) for a commercial scenario due to the residual benzene in soil (4.2 mg/kg) does not exceed 1E-04, based on RBCA's Tier 1 Look-Up Table.

FIGURE 1

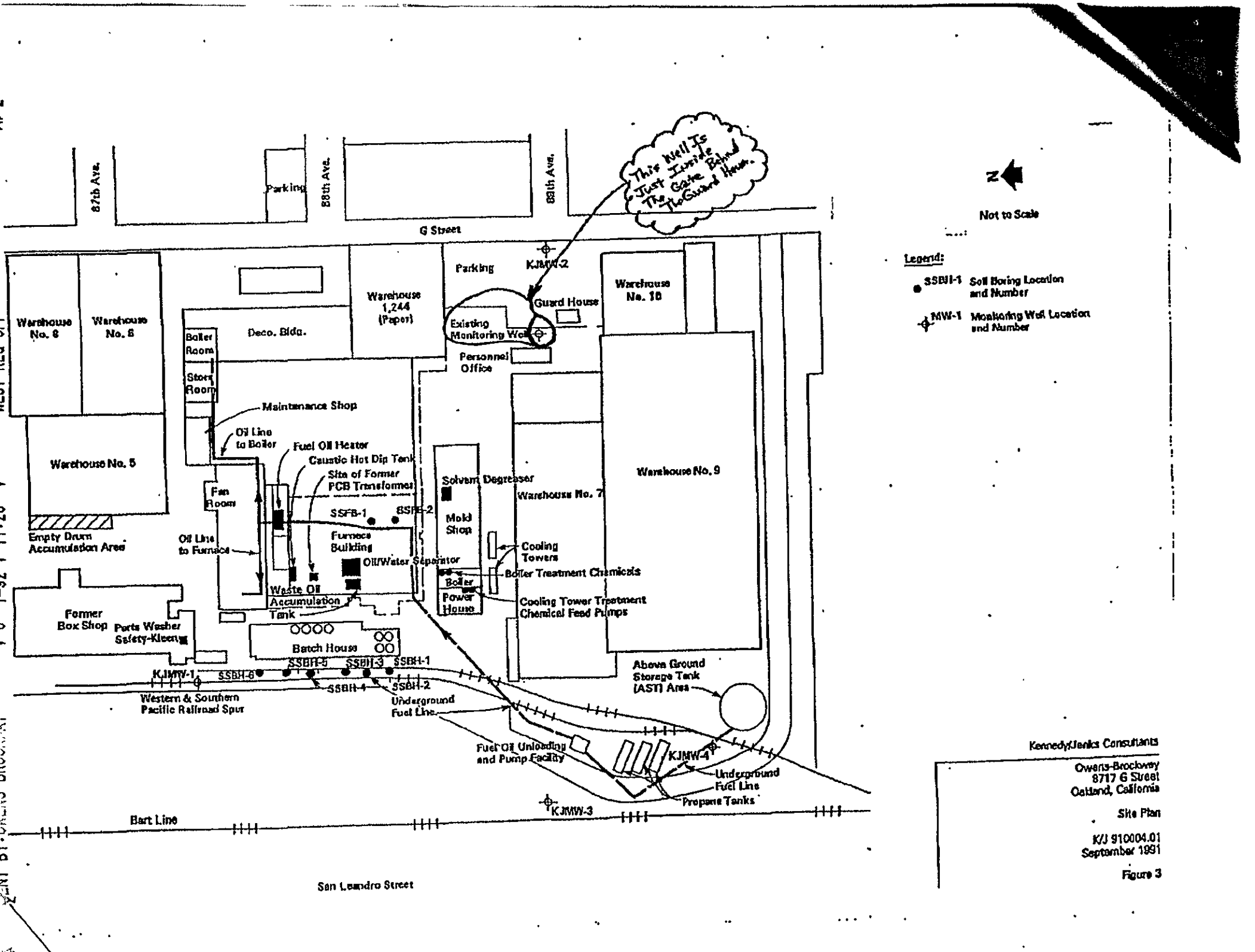


SCALE



SITE LOCATION
Brockway, Inc.
8717 G Street
Oakland, California

BASELINE



This Well Is Just Inside The Gate Behind The Guard House.



Not to Scale

Legend:

- SSBH-1 Soil Boring Location and Number
- ⊕ KJMW-1 Monitoring Well Location and Number

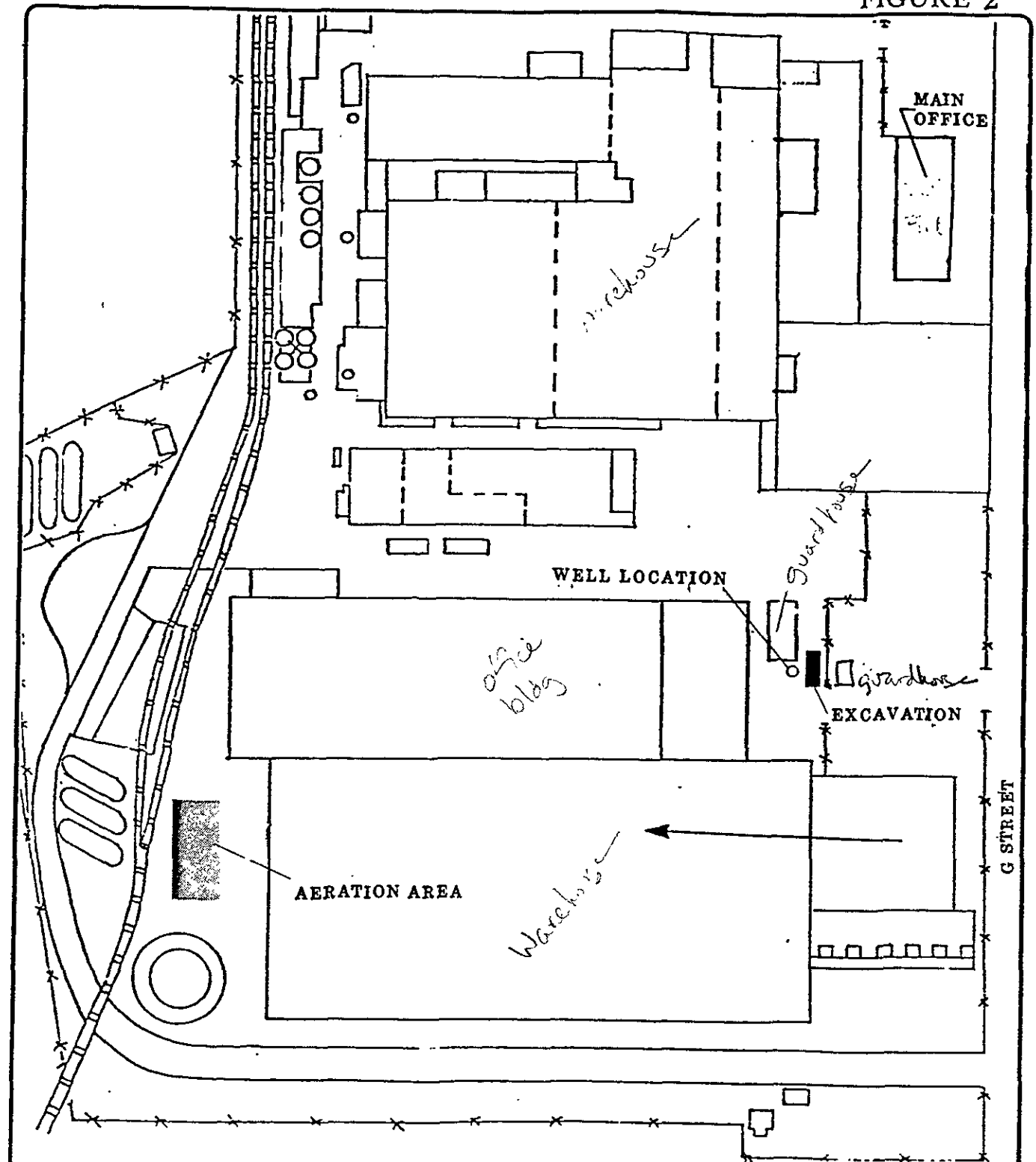
Kennedy/Jenks Consultants

Owens-Brockway
8717 G Street
Oakland, California

Site Plan

K/J 910004.01
September 1991

Figure 3



SITE FACILITIES
Brockway, Inc.
8717 G Street
Oakland, California

BASELINE

TABLE 1
SOIL AND GROUNDWATER SAMPLING ANALYTICAL RESULTS

Brockway Inc.
8717 G Street, Oakland, CA

June 1987

Sample I.D. and Loc'n.	Depth (ft.)	Gasoline HC	Benzene	Toluene	Xylene Isomers	Ethyl benz.
<u>Former Tank Area - Soil samples (mg/kg)</u>						
South-fill (a)	10	1,100	NA	NA	NA	NA
North-fill (a)	10	2,200	NA	NA	NA	NA
West-clay	10.5	39	-	2.6	15	NA
North-clay	10.5	60	1.6	6.3	29	NA
<u>Groundwater Monitoring Well</u>						
Soil (mg/kg)	11-11.5	130	4.2	0.6	21	3.1
Groundwater (mg/L)		0.59	0.01	< 0.0005	0.04	NA
<u>Soil Aeration Pile - Soil Samples (mg/kg)</u>						
9 June - Composite North		10 ✓	NA	NA	NA	NA
South		160 ✓	NA	NA	NA	NA
17 June - Composite North		83	NA	NA	NA	NA
South		120	NA	NA	NA	NA
29 June - Composite		24	NA	NA	NA	NA

Notes: See page 8.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS (mg/L)
FROM THE EXISTING MONITORING WELL AT
OWENS-BROCKWAY GLASS, 8717 G STREET, OAKLAND, CA

<u>Sampling Date</u>	<u>Gasoline Hydrocarbons</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylene</u>	<u>Ethylbenzene</u>
28 May 1987 ¹	0.59	0.01	<0.0005	0.036	NA ²
14 Sept 1987 ¹	0.06	<0.005	<0.001	<0.03	<0.005
11 Jan 1988 ¹	0.05	<0.005	<0.0005	<0.0006	<0.0006
15 April 1988 ¹	<0.05	0.011	0.0011	0.0025	0.001
15 July 1991 ³	<0.05	0.014	<0.0005	0.0015	<0.0005
05 June 1992 ³	<0.05	0.015	0.0018	0.0012	<0.0005
MCL ⁴	-	0.001	-	1.750	0.680

Notes:

¹ Samples collected by Baseline Environmental Consulting

² Not analyzed for

³ Samples collected by Kennedy/Jenks Consultants

⁴ Maximum Contaminant Levels for Contaminants in Drinking Water (CCR Title 22, July 1990)

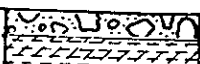











BASELINE ENVIRONMENTAL CONSULTING
 315 Washington Street
 Oakland, CA 94607
 (415) 763-7037

Boring No. MW-1
 Date 5/26/87
 Datum _____

DRILLING LOG

Location Brockway Glass Co., Oakland
 Driller Exceltech, Fremont
 Method Hollow-stem, cont. flight

Bore Size 6-inch
 Casing Size 2-inch
 Logger WKS

DEPTH	GRAPHIC	LITHOLOGY	NOTES
1 ft-		Concrete	
-		Black, silty CLAY, moist, some sand < 1%	Slight petroleum odor.
3 -			
5 -			
7 -		Black, silty CLAY, moist, some coarse sand < 1%	Slight petroleum odor.
9 -			
11 -		Olive gray/dark gray mottled, silty CLAY, moist-wet, some black organic fragments	2-6-10 10-11-14 Slight petroleum odor.
13 -			
15 -		Olive, silty CLAY, wet, some black organic fragments < 1%	3-4-4 Slight to no petroleum odor.
17 -			
19 -			
21 -		Olive, silty CLAY, wet, some black organic fragments < 1%	2-3-4 Slight to no petroleum odor.


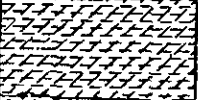

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 315 Washington Street
 Oakland, CA 94607
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Boring No. MW-1 Cont.
 Date 5/26/87
 Datum _____

DRILLING LOG

Location Brockway Glass Co., Oakland
 Driller Exceltech, Fremont
 Method Hollow-stem cont. flight

Bore Size 6-inch
 Casing Size 2-inch
 Logger WKS

DEPTH	GRAPHIC	LITHOLOGY	NOTES
23 ft-		Olive, silty CLAY, wet, some black organic fragments < 1%	2-2-4 Slight petroleum odor.
25		Dark greenish gray, SAND, wet, some gravelly interbeds	
27		T.D. 28 ft	
29	