

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

01-0021

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

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 2259 - 718 Douglas Ave, Oakland, CA

September 12, 1996

Ms. Barbara Allen
Abdo Allen Co
718 Douglas Ave
Oakland, CA 94603

Dear Ms. Allen:

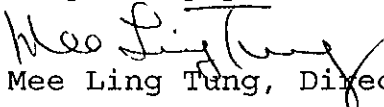
This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (1-1,000 gallon diesel and 1-1,000 gallon fresh oil tanks) removed from the above site on December 31, 1991. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. If changes in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,


Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment)
files (aallens)

01-0021

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: August 20, 1996

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

II. CASE INFORMATION

Site facility name: Abdo Allen Co
Site facility address: 718 Douglas Ave, Oakland, CA 94603
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 2259
URF filing date: 3/3/95 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Barbara Allen	718 Douglas Ave	510/569-2070
Abdo Allen Co	Oakland, CA 94603	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1,000	Diesel	Removed	12/31/91
2	1,000	Fresh Oil	Removed	12/31/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 7/11/96
Monitoring Wells installed? No
Proper screened interval? NA
Highest GW depth below ground surface: NA, but first encountered water was at approximately 12' bgs (below ground surface)

Flow direction: Regional groundwater flows west, southwesterly.
Most sensitive current use: Construction yard
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

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ENVIRONMENTAL PROTECTION

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank & Piping	2 USTs	H & H, in San Francisco	12/30-31/91
Soil	850 cy	Biotreated and reused onsite	12/8/95

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before¹</u>	<u>After</u>
TPH (Gas)	47	ND	290	
TPH (Diesel)	450	27	94	
Benzene	ND	ND	0.56	
Toluene	0.084	ND	0.65	
Ethylbenzene	0.750	ND	0.55	
Xylenes	1.3	ND	0.91	
Oil & Grease	1,700	NA		
Heavy metals Lead		17		

NOTE: 1 "grab" groundwater samples from "hydropunches" drilled just outside of former tank excavation.

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: **NA**
 Number Decommissioned: Number Retained: **NA**
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 8/20/96

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist


Signature:  Date: 8/20/96

Name: Thomas Peacock Title: Supervisor

Signature:  Date: 8-20-96

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: 

Date: 9/5/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

A 1,000 gallon fresh oil UST was removed on 12/30/91 and a 1,000 gallon diesel UST was removed the following day. The USTs had evidence of rust. The fresh oil UST had a small hole on the end of the tank. Initial soil samples collected from native soil identified up to 360 ppm TPHd and low levels of TPHg and BTEX. After limited overexcavation, soil samples collected still exhibited up to 450 ppm TPHd. Contaminated stockpiled soil was placed back into the pit.

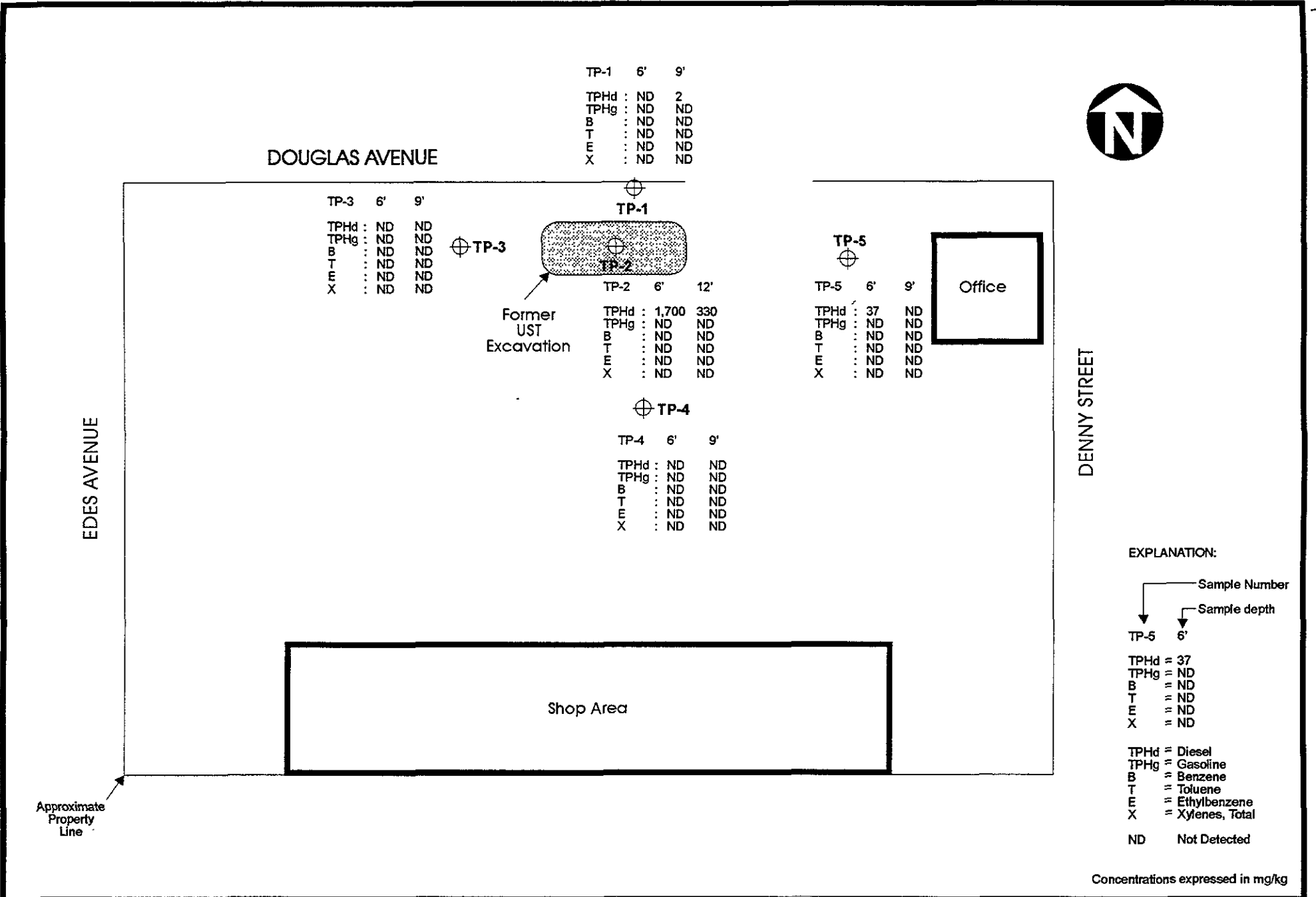
In May 1994 five test pits (TP-1 through TP-5) were excavated to delineate the extent of hydrocarbon contamination in soil. Soil samples were collected from ~6', 9', or 12' depths and analyzed for TPHd, TPHg, and BTEX. Elevated TPHd (1,700 ppm) was identified only in test pit TP-2, within the former tank pit. Oil range hydrocarbons (up to 4,600 ppm) were also detected in test pit TP-2. (See Fig 1)

Soil remedial activities were performed from September 1994 through December 1995. Approximately 850 cy of petroleum-affected soil was removed and treated. Confirmatory sidewall (from 6' to 7' bgs) and pit bottom (at 10' bgs) samples were collected and analyzed for TPHd, TPHg, BTEX, and lead. Only one sample contained any hydrocarbons (27 ppm TPHd). A maximum of 17ppm lead was identified after overexcavation. The biotreated soil did not contain TPHd, TPHg, or BTEX. Imported and biotreated soils were used to backfill the excavations. (See Figs 2 and 3)

On May 31, 1996 three "hydropunches", HP-1, HP-2, and HP-3, were drilled west, south, and east, respectively, of the former tank excavation to collect "grab" groundwater samples. First encountered water was at approximately 12' bgs. Up to 94 ppb TPHd, 290 ppb TPHg, and trace levels of BTEX were identified. (See Fig 4)

It does not appear groundwater has been significantly impacted by the fuel release at this site. Permanent groundwater monitoring wells are not warranted.

aallen7



Scale: 1" = 30'

May 1994



TPH CONCENTRATIONS

Abdo S. Allen & Co.

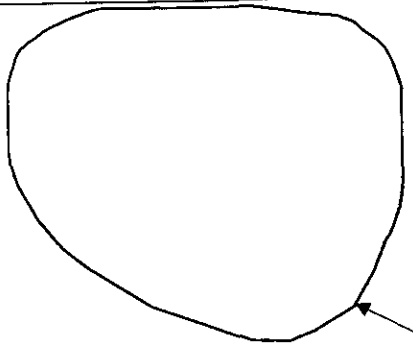
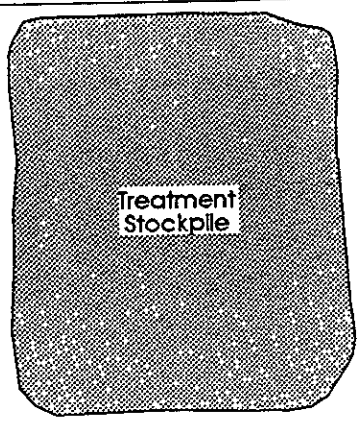
Figure 81

Project 2065

DOUGLAS AVENUE



Gate



Excavation Area

EDES AVENUE

DENNY STREET



Shop Area

Approximate Property Line

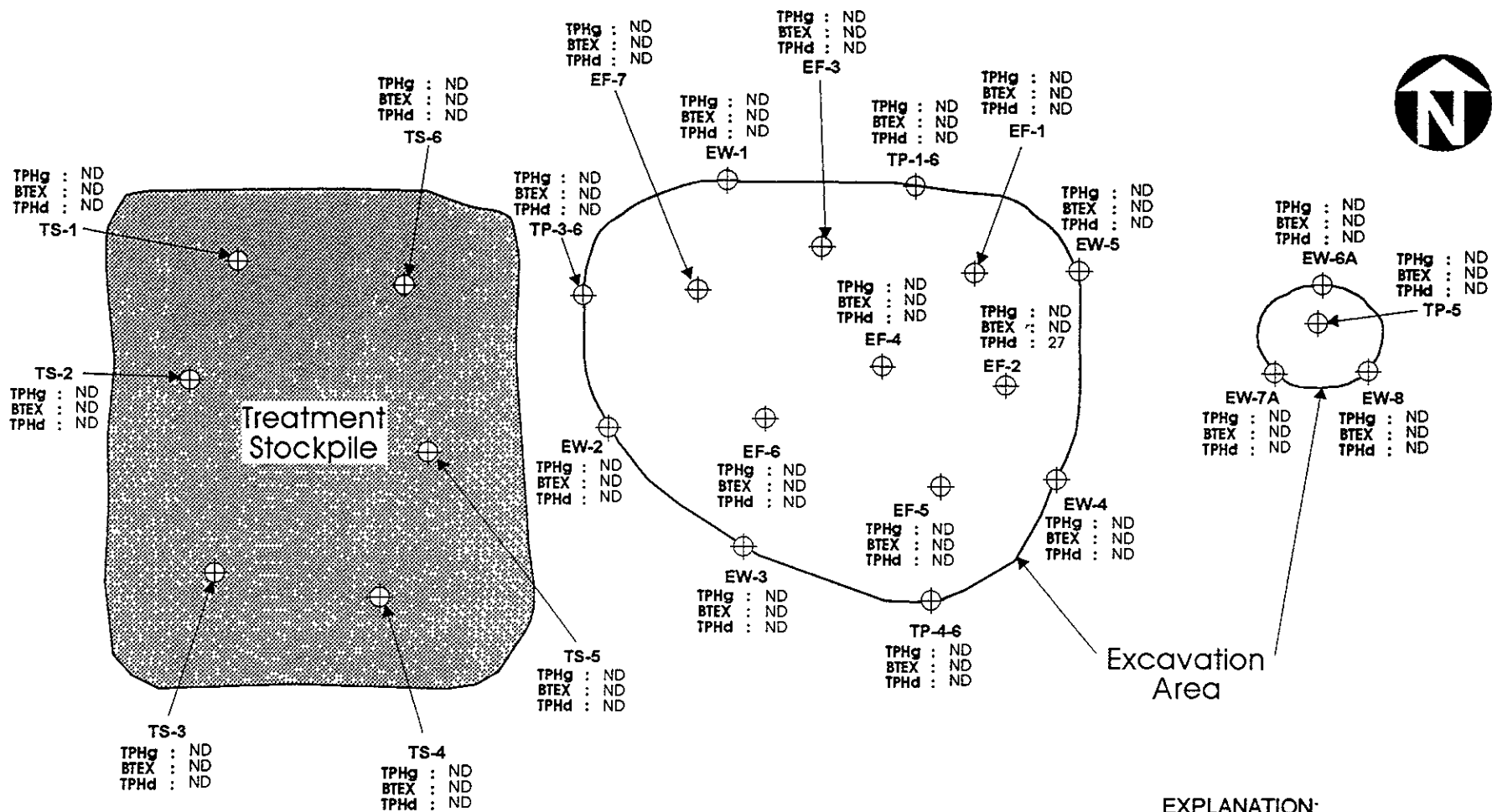
Scale: 1" = ± 30'

December 1995

SITE PLAN

Figure 2

Project 2065



EXPLANATION:



EW-1 ← Soil Sample Number

TPHg : Gasoline
BTEX : Benzene, Toluene, Ethylbenzene and Xylenes
TPHd : Diesel

ND Not Detected

Soil sample concentrations are expressed in mg/kg.

Scale: 1" = ± 20'

December 1995

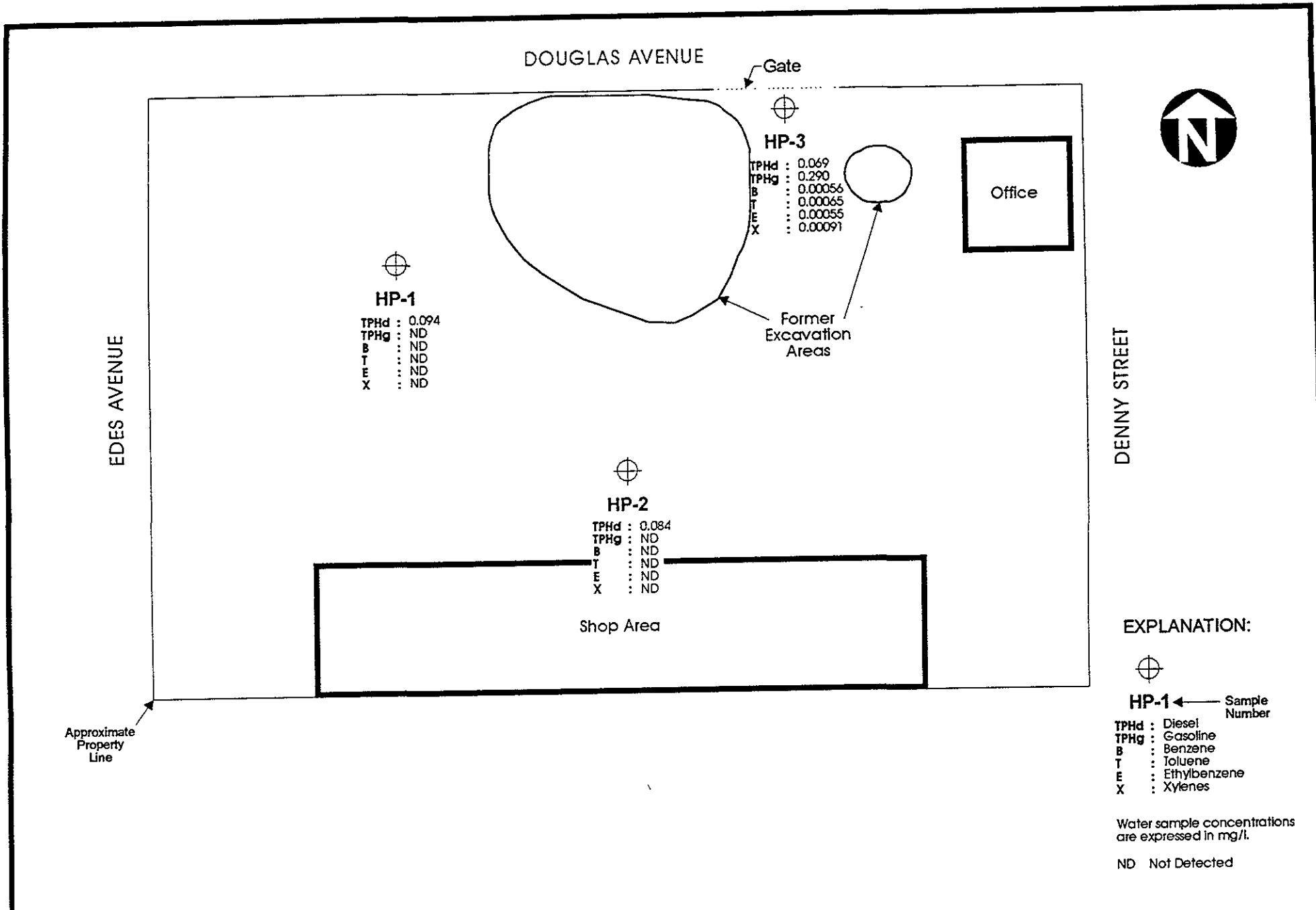


SAMPLE RESULTS

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Figure 3

Project 2065



Not-to-Scale

June 1996

TOTAL PETROLEUM HYDROCARBON CONCENTRATIONS

Figure 84