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

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

FACSIMILE TRANSMITTAL

TO:

5403819 — Floor/Room # _____
Fax Phone Number

Name: Nina Antonio
Title/Section

Agency: Department of Health Services

Address: _____

Phone #: ( ) 5403802

FROM:

568 3706 — Floor/Room # _____
Fax Phone Number

Date: 4/17/91 — Time Sent: 3:30

Sender: Cynthia Chapman
Title/Section

Phone #: ( ) 271-4320

Number of Pages Including Transmittal Sheet: 11

Special Instructions/Comments:

American Can has installed 2 additional wells as I've indicated on the map. They hope to show that they are not the cause of the problem. The boring logs of GW 1 show some slight PCB contamination. These were back in 89 or 88. I still need to know what's to happen at the EKO Tek site

DUNN GEOSCIENCE CORPORATION

12 METRO PARK ROAD
ALBANY, NY 12205
(518) 458-1313
FAX (518) 458-2472

January 30, 1991

Ms. Cynthia Chapman
Hazardous Materials Specialist
Department of Environmental Health
Alameda County Health Agency
80 Swan Way, Rm. 200
Oakland, California 94621

Dear Ms. Chapman:

Subject: Laboratory Report, ANCC Oakland Facility

As we discussed on the telephone yesterday, enclosed is a copy of the laboratory report for the free product removed from groundwater monitoring wells GW-1 and GW-6. As you can see, the results for GW-6 (primarily petroleum hydrocarbons as diesel and kerosene) are consistent with its location near an underground storage tank, which was used for boiler fuel prior to its closure.

The identification of the free product in GW-1 is consistent with the speculation that its source may be from off-site. The PCB's and semi-volatile compounds found in the free product are common constituents of waste oils.

In addition to the laboratory results, I have enclosed the results of our biweekly visual monitoring and free product removal. As you will note, free product levels have been dramatically reduced.

This letter will serve to confirm our notification to you of the identification of the free product in these groundwater monitoring wells as you requested in your letter of December 5, 1990. If additional notification action is required, please advise me. Please do not hesitate to call me with questions or comments.

Very truly yours,

DUNN GEOSCIENCE CORPORATION

Edward W. Alusow

Edward W. Alusow
Senior Environmental Scientist

EWA/me

91 JAN 25 AM 11:56

cc: J. Peters, ANCC
L. Feldman, RWQCB

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 12/19/90
Reported: 12/24/90
Job No. #: 72111

Attn: Walter Howard
Dunn Geoscience Corporation
12 Metro Park Road
Albany, New York 12205

Project: American Can Company
Matrix: Oil

Polychlorinated Biphenyls
EPA Method 8080
mg/kg

Lab ID	Client ID	Ar-1260	Ar-1248	MDL
72111-1	G.W-6	ND<2.0	ND<2.0	2.0
72111-2	G.W-1	4,160	90.0	50

QA/QC: Spike Recovery for Ar-1260: 100%

MDL: Method detection limit: Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/dc

PRECISION ANALYTICAL LABS.

CLIENT ID: 72111-2-GW-1
CLIENT JOB NO: 72111
DATE SAMPLED: 12/20/90
DATE RECEIVED: 12/20/90
REPORT DATE: 01/03/91

MED-TOX LAB NO: 9012131-02A
MED-TOX JOB NO: 9012131
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90
INSTRUMENT: 11

EPA METHOD 8270

GC/MS EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
4-Chloro-3-methylphenol	59-50-7	ND	100,000
2-Chlorophenol	95-57-8	ND	100,000
2,4-Dichlorophenol	120-83-2	ND	100,000
2,4-Dimethylphenol	105-67-9	ND	100,000
4,6-Dinitro-2-methylphenol	534-52-1	ND	500,000
2,4-Dinitrophenol	51-28-5	ND	500,000
2-Methylphenol	95-48-7	ND	100,000
4-Methylphenol	106-44-5	ND	100,000
2-Nitrophenol	88-75-5	ND	100,000
4-Nitrophenol	100-02-7	ND	500,000
Pentachlorophenol	87-86-5	ND	500,000
Phenol	108-95-2	ND	100,000
2,4,5-Trichlorophenol	95-95-4	ND	100,000
2,4,6-Trichlorophenol	88-06-2	ND	100,000

ND = Not Detected

PRECISION ANALYTICAL LABS.

CLIENT ID: 72111-2-GW-1
CLIENT JOB NO: 72111
DATE SAMPLED: 12/20/90
DATE RECEIVED: 12/20/90
REPORT DATE: 01/03/91

MED-TOX LAB NO: 9012131-02A
MED-TOX JOB NO: 9012131
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90
INSTRUMENT: 11

EPA METHOD 8270
GC/MS EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	100,000
1,4-Dichlorobenzene	106-46-7	ND	100,000
3,3'-Dichlorobenzidine	91-94-1	ND	200,000
Diethylphthalate	84-66-2	ND	100,000
Dimethylphthalate	131-11-3	ND	100,000
2,4-Dinitrotoluene	121-14-2	ND	100,000
2,6-Dinitrotoluene	606-20-2	ND	100,000
Di-n-octylphthalate	117-84-0	ND	100,000
1,2-Diphenylhydrazine	122-66-7	ND	100,000
Fluoranthene	206-44-0	ND	100,000
Fluorene	86-73-7	ND	100,000
Hexachlorobenzene	118-74-1	ND	100,000
Hexachlorobutadiene	87-68-3	ND	100,000
Hexachlorocyclopentadiene	77-47-4	ND	100,000
Hexachloroethane	67-72-1	ND	100,000
Indeno(1,2,3-cd)pyrene	193-39-5	ND	100,000
Isophorone	78-59-1	ND	100,000
* **2-Methylnaphthalene**	**91-57-6**	**1,100,000**	**100,000**
* **Naphthalene**	**91-20-3**	**880,000**	**100,000**
2-Nitroaniline	88-74-4	ND	500,000
3-Nitroaniline	99-09-2	ND	500,000
4-Nitroaniline	100-01-6	ND	500,000
Nitrobenzene	98-95-3	ND	100,000
N-nitrosodimethylamine	62-75-9	ND	100,000
N-nitrosodiphenylamine	86-30-6	ND	100,000
N-nitroso-di-n-propylamine	621-64-7	ND	100,000
* **Phenanthrene**	**85-01-8**	**100,000**	**100,000**
Pyrene	129-00-0	ND	100,000
* **1,2,4-Trichlorobenzene**	**120-82-1**	**830,000**	**100,000**

ND = Not Detected

PRECISION ANALYTICAL LABS.

CLIENT ID: 72111-2-GW-1
CLIENT JOB NO: 72111
DATE SAMPLED: 12/20/90
DATE RECEIVED: 12/20/90
REPORT DATE: 01/03/91

MED-TOX LAB NO: 9012131-02A
MED-TOX JOB NO: 9012131
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90
INSTRUMENT: 11

EPA METHOD 8270
SEMI-VOLATILE ORGANIC COMPOUNDS

GC/MS EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acenaphthene	83-32-9	ND	100,000
Acenaphthylene	208-96-8	ND	100,000
Anthracene	120-12-7	ND	100,000
Benzidine	92-87-5	ND	500,000
Benzoic Acid	65-85-0	ND	500,000
Benzo(a)anthracene	56-55-3	ND	100,000
Benzo(b)fluoranthene	205-99-2	ND	100,000
Benzo(k)fluoranthene	207-08-9	ND	100,000
Benzo(g,h,i)perylene	191-24-2	ND	100,000
Benzo(a)pyrene	50-32-8	ND	100,000
Benzyl Alcohol	100-51-6	ND	200,000
Bis(2-chloroethoxy) methane	111-91-1	ND	100,000
Bis(2-chloroethyl)ether	111-44-4	ND	100,000
Bis(2-chloroisopropyl) ether	39638-32-9	ND	100,000
Bis(2-ethylhexyl) phthalate	117-81-7	ND	100,000
4-Bromophenyl phenyl ether	101-55-3	ND	100,000
Butylbenzyl phthalate	85-68-7	ND	100,000
4-Chloroaniline	106-47-8	ND	200,000
2-Chloronaphthalene	91-58-7	ND	100,000
4-Chlorophenyl phenyl ether	7005-72-3	ND	100,000
Chrysene	218-01-9	ND	100,000
Dibenzo(a,h)anthracene	53-70-3	ND	100,000
Dibenzofuran	132-64-9	ND	100,000
Di-n-butylphthalate	84-74-2	ND	100,000
1,2-Dichlorobenzene	95-50-1	ND	100,000

ND = Not Detected

Dunn Geoscience Corporation
Job No.: 72111

Project: American Can Company
Matrix: Oil

Lab ID:	72111-2	
Client ID:	G.W-1	Limit of Detection
Trans 1,3-dichloropropene	ND	300
2-chloroethyl vinyl ether	ND	500
Bromoform	ND	300
1,1,2,2-tetrachloroethane	ND	500
Tetrachloroethene	ND	200
Toluene	1200	200
Chlorobenzene	ND	200
Ethylbenzene	450	400
1,3 Dichlorobenzene	ND	300
1,2 Dichlorobenzene	ND	300
1,4 Dichlorobenzene	ND	300
Dichlorodifluoromethane	ND	400
Freon 113	ND	400
M + P Xylene	2300	300
O-Xylene	1000	300
Acetone	ND	2000
Carbon Disulfide	ND	400
4 Methyl-2-Pentanone	ND	1400
2 Hexanone	ND	1000
Styrene	ND	200
2-Butanone	ND	1000
Vinyl Acetate	ND	1000

ND = Not Detected at or above limit of detection.

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Job #: 72111

Attn: Walter Howard
Dunn Geoscience Corporation
12 Metro Park Road
Albany, New York 12205

Project: American Can Company
Matrix: Oil

EPA METHOD 8240
PURGEABLE ORGANICS
mg/kg

Lab ID:	72111-2	
Client ID:	G.W-1	Limit of Detection
Chloromethane	ND	800
Bromomethane	ND	700
Vinyl chloride	ND	900
Chloroethane	ND	700
Methylene chloride	ND	1000
Trichlorofluoromethane	ND	600
1,1-dichloroethene	ND	400
1,1-dichloroethane	ND	500
Trans-1,2 dichloroethene	ND	400
Chloroform	ND	400
1,2 dichloroethane	ND	300
1,1,1-trichloroethane	ND	300
Carbon tetrachloride	ND	400
Bromodichloromethane	ND	400
1,2-dichloropropane	ND	300
Cis-1,3-dichlorpropene	ND	300
Trichloroethene	ND	300
Benzene	ND	200
Dibromochloromethane	ND	200
1,1,2-trichloroethane	ND	400

ND = Not Detected at or above limit of detection.

Jaime Chow
Laboratory Director

JC/dc

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Job No. #: 72111

Attn: Walter Howard
Dunn Geoscience Corporation
12 Metro Park Road
Albany, New York 12205

Project: American Can Company
Matrix: Oil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/kg

Lab ID	Client ID	Diesel	MDL	Total Petroleum Hydrocarbons in Kerosene Range	MDL
72111-1	G.W-6	150,000	20,000	400,500	20,000
72111-2	G.W-1	62,000	20,000	264,000	20,000

QA/QC: Spike Recovery for Diesel: 103%
Spike Recovery for Gasoline: 117%

MDL: Method detection limit: Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/dc

GW 6 is a separate issue on the site - is associated w/ an old boiler fuel tank.

AMERICAN NATIONAL CAN COMPANY

OAKLAND, CALIFORNIA, FACILITY

PRODUCT MONITORING RESULTS

WELL NO.: GW-1
M.P. ELEV.: 15.39

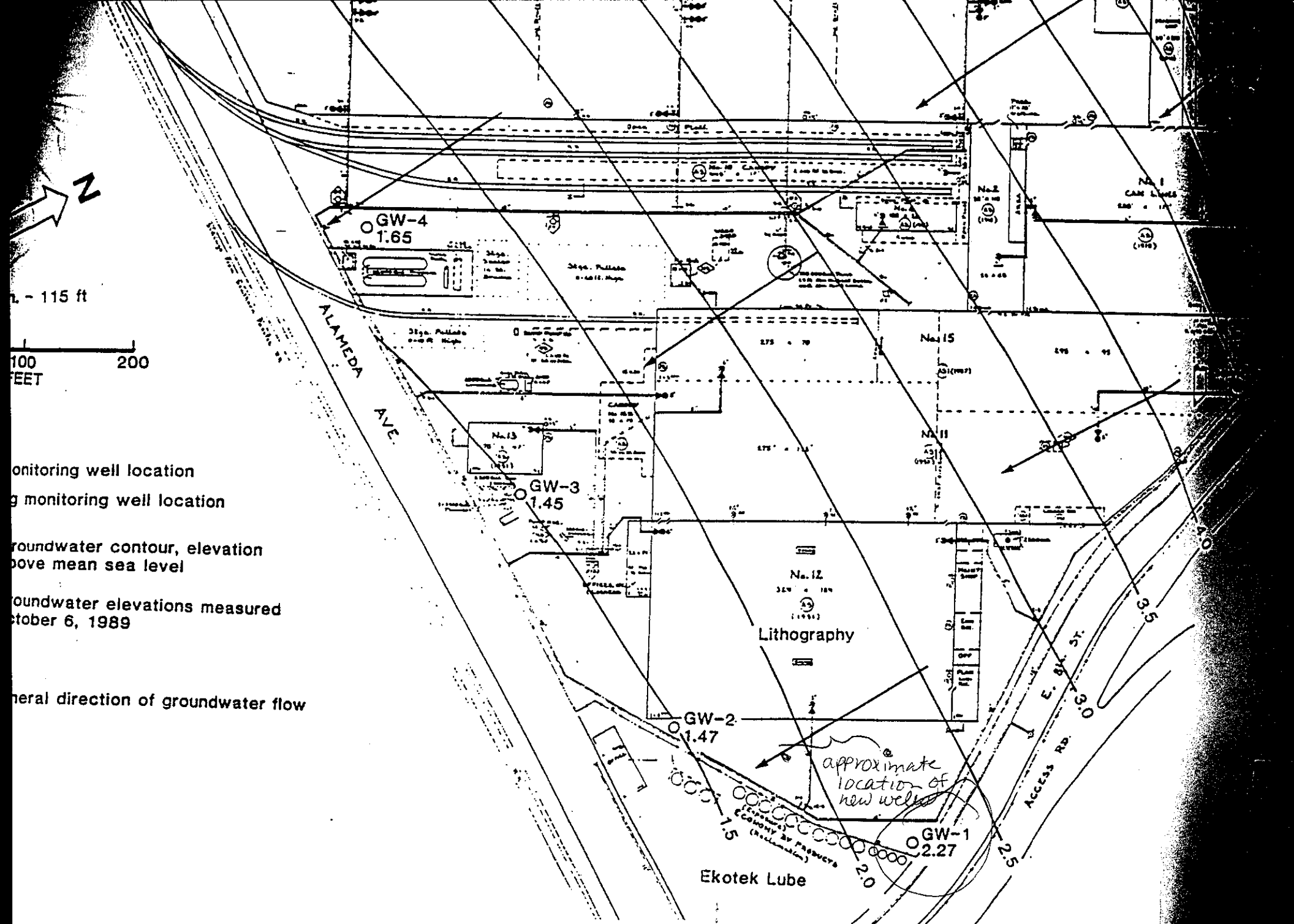
SP. GRAVITY OF PRODUCT: 0.82

DATE	TIME	DEVICE	PRODUCT DEPTH	WATER DEPTH	PRODUCT THICKNESS	ADJ. WATER DEPTH	WATER ELEV.	PRODUCT REMOVED apprx. gals.
12/19/90	1238	IP	13.43	13.90	0.47	13.51	1.88	0.10
12/20/90	935	IP	13.39	13.83	0.44	13.47	1.92	1.00
12/20/90	1530	IP	14.17	14.50	0.33	14.23	1.16	0.50
1/3/91	1100	IP	13.42	13.58	0.16	13.45	1.94	0.01
1/21/91	945	B	12.58	12.59	0.01	12.58	2.81	<0.01

NOTES:

1. All elevations are measured in feet above mean sea level, depths are measured in feet.
2. M.P. Elev. = measuring point elevation.
3. Device used to measure product thicknesses: IP = interface probe
   B = clear bailer & tape measure

ADJ. Water Depth = product thickness x product specific gravity yields water thickness which is subtracted from measured water depth.


N
n. - 115 ft
100
200
FEET
onitoring well location
g monitoring well location
roundwater contour, elevation
bove mean sea level
roundwater elevations measured
ctober 6, 1989
neral direction of groundwater flow
GW-4
1.65
GW-3
1.45
GW-2
1.47
GW-1
2.27
ALAMEDA AVE.
Lithography
Ekotek Lube
approximate location of new well
E. 8th ST.
ACCESS RD.
No. 15
No. 11
No. 12
1.5
2.0
2.5
3.0
3.5
4.0