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FACSIMILE COVER SHEET

TO: Gil Jensen COMPANY: County of Alameda; D.A.

COMPANY FAX #: 510 569-0505 NO. OF PAGES: 8

FROM: Mike Webster DATE: 5-11-95

COMMENTS: Gil, Following is the EPA report on the Ekotek lube facility you request during our meeting Monday.

Mike

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL THE TELEPHONE NUMBER ABOVE.

DRAFT WORK PLAN
ACTIVITIES INVOLVING TANKS AND SUMPS
ECOTEK WASTE OIL FACILITY
OAKLAND, CALIFORNIA

A. BACKGROUND

On September 28, 1993, U.S. Environmental Protection Agency (EPA) On-Scene Coordinator (OSC) Bill Lewis tasked the Technical Assistance Team (TAT) to perform a site assessment at the Ecotek waste oil facility in Oakland, California (see Figure 1). The facility operated as a waste oil recycling facility beginning in the 1920s and was abandoned in 1985. The EPA was contacted by C. Jenson of the Alameda County District Attorney's office regarding his concern that polychlorinated biphenyls (PCBs) were migrating from the facility into the local aquifer. The city of Oakland would like to place a K-Mart on the property adjacent to the Ecotek facility.

Site activities were conducted in two phases; a tank, sump, drum and container inventory and sampling effort conducted September 1-3, 1993 and a subsurface site investigation conducted September 29-30, 1993. An estimate was made of the description and quantity (based on visual observations) of the materials present in each tank and sump during the first phase. Analytical samples were collected and the invalidated results of this characterization are included in Table 1. The location of each tank and sump is included in Figure 2.

Only Tank numbers T-2, T-43 and T-131 and Sump numbers S-138 and S-139 are addressed in this document. Analytical results indicate that oily material containing PCBs, and a caustic material is present in substances on-site.

The above ground tanks present a threat of release. The sumps present a threat to ground water contamination The tanks and sumps in question are to be emptied with the liquid material transported to an approved treatment, storage and disposal facility (TSDF). This would reduce the potential for a hazardous materials release.

B.1 Preparatory Activities - Tanks

The preparatory activities listed below are applicable to the tanks previously listed. Prior to any cleaning activities, it is recommended that several disposal/transportation companies be contacted to conduct a site reconnaissance tour. Examples of companies are listed in Table 2. It should be noted that this list is neither conclusive nor exclusive and that any company

selected to complete the tasks at hand should be in compliance with applicable federal, state and local regulations.

1. An exclusion zone will be established around each tank prior to beginning the cleaning activities.

2. A personnel decontamination area, equipment cleaning area and a temporary eye wash station will be established within the contamination reduction area.

3. The tank work space will be monitored for hazardous conditions by a certified industrial hygienist prior to work activities.

B.2 Cleaning Activities - Tanks

Liquid materials in the Tanks T-2 and T-43 can be accessed through a six inch (6") port open at the top of the tank. Details of utilization of piping and values for pumping off procedures may vary with contractors. This material, approximately 13,000 gallons combined, of water and oil, can be pumped into vacuum trucks, via a diaphragm pump. The caustic liquid in Tank T-131, approximately 250 gallons, can be pumped into 55-gallon drums. These drums can be transported to a permitted TSDF at a later date.

C.1 Preparatory Activities - Sumps

The preparatory activities listed below are applicable to the sumps previously listed.

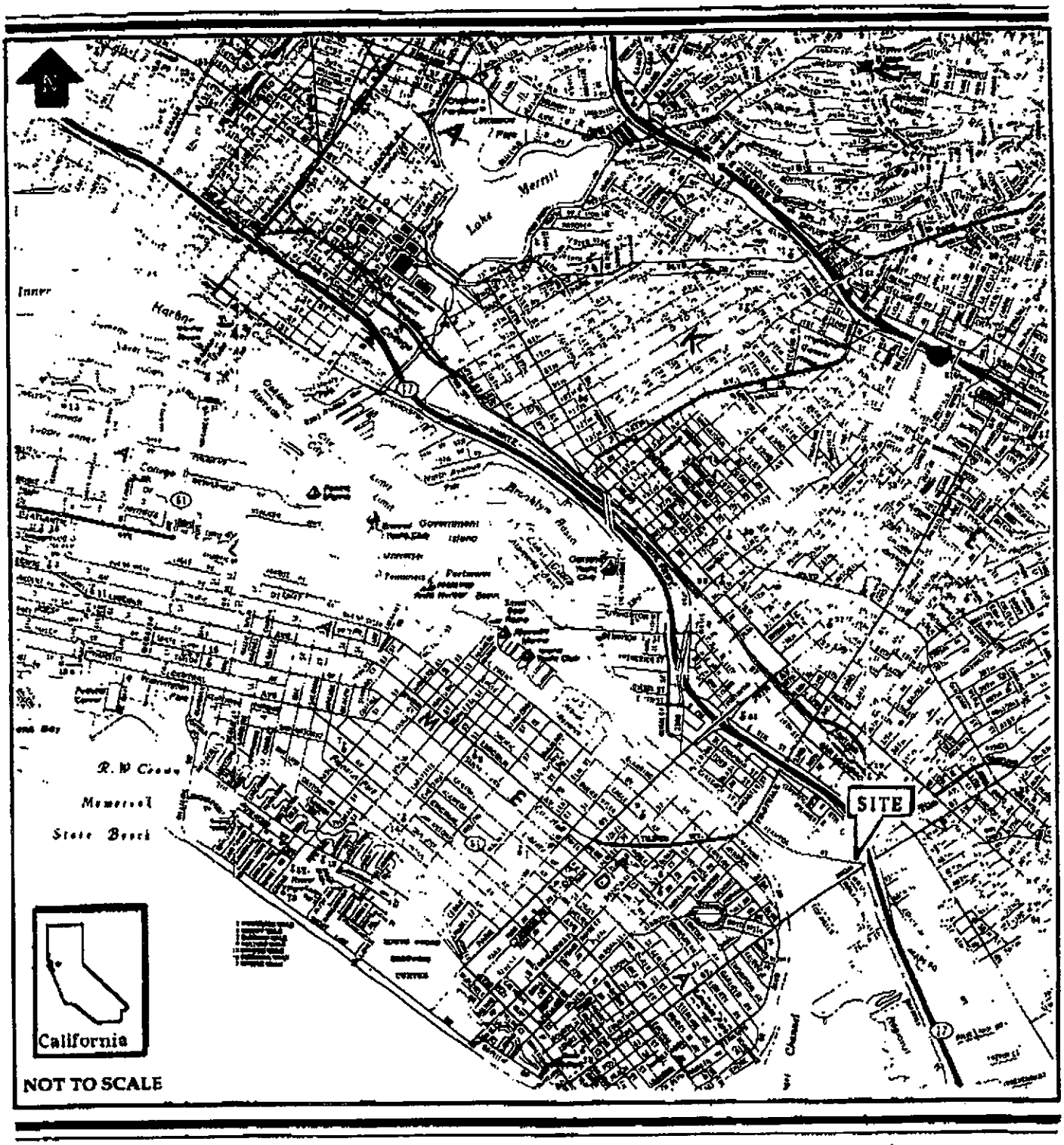
1. An exclusion zone will be established around each sump prior to beginning cleaning activities.

2. A personnel decontamination area, equipment cleaning area and a temporary eye wash station will be established within the contamination reduction area.

3. The sump work space will be monitored for hazardous conditions by a certified industrial hygienist prior to work activities.

C.2 Cleaning Activities - Sumps

Liquid material, approximately 2000 gallons, can be pumped directly into a vacuum truck. Solids and sludges can be manually removed and placed into drums if necessary.



ecology and environment, inc

Figure 1

SITE LOCATION MAP

Eco Tek Waste Oil Facility

Oakland, California

DATA NOT VALIDATED

TABLE 1

(Page 1 of 2)

ECOTEK WASTE OIL FACILITY

Tank, Drum, Sump, and Container Analytical Results

EPA Method Number		8080	6010 (TCLP)								8010							
Units		ug/l	mg/l								ug/l							
Sample ID	Comments	PCB Aroclor 1260	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	Chloro-benzene	1,2-Dichloro-benzene	1,4-Dichloro-benzene	1,1-Dichloro-ethane	Methylene chloride	Tetrachloro-ethene	1,1,1-Trichloro ethane	Trichloro ethene
C-214																	1.8	
C-219																	0.57	
C-228				1.6	0		0.1											
C-229																	61	
CC-4	Cont: 215,218,222,223,225,227														98			
CC-4MS/MSD																		
CC-9	Cont: 215,218,222,223,225,227																	
D-202A																		
D-202B																		
D-223A			0.01	0.08		0	0.1									48	9.1	
D-223B				0.06		0.1	0									30	5.6	
D-231				2.9			0.1											
DC-7	Drums: 209,210,230	13		2.3		0.1	12										0.048	
DC-10																		
EQ-R-1																		
S-135														0.11				
S-136																		
S-137																		
S-138											2.7	10	1.6	1.5		2.3		0.83
S-138MS/MSD																		
S-139		6.9																
S-140		6.5																

TABLE 1

DATA NOT VALIDATED

ECOTEK WASTE OIL FACILITY
Soil Analytical Results

DATA NOT VALIDATED

EPA Method Number		8080	TPHD	418.1	8010/8020													
Units		(ug/kg)	(mg/kg)	(mg/kg)	(ug/kg)													
Sample ID	Comments	PCB Aroclor 1260	Diesel	Waste Oil & Grease	Bromo-methane	Chloro-benzene	Chloro-methane	1,2-Dichloro benzene	1,3-Dichloro benzene	1,4-Dichloro benzene	Tetra-chloro-ethene	1,1,1-Trichloro-ethane	Tri-chloro-ethene	Vinyl chloride	Benzene	Ethyl benzene	Toluene	Xylenes (Total)
ESB-01-1.5		ND	39														4.2	
ESB-01-5.0		ND	ND														4.7	9.7
ESB-01-5.0A		ND	ND												2.3		6.6	
ESB-01-10.0		ND	300					140								380		1000
ESB-01-15.0		ND	ND															
ESB-02-2.0		ND	ND														4.8	
ESB-02-5.0		ND	360					4.7								13	21	180
ESB-02-10.0		19000	190			310		960	68		26	42				6500	5200	24000
ESB-02-15.0		ND	2100					36		11					220	860	690	7300
ESB-03-2.5		180	2300					330								5900	3500	23000
ESB-03-6.0		ND	340														140	220
ESB-03-10.0		580	12000					1600									1800	19000
ESB-04-1.0		3400	8200					870								4300		18000
ESB-04-10.0		2400	6700					2400								11000		67000
ESB-04-15.0		ND	27															
ESB-05-1.0		ND	96000		240		83							190		42	110	520
ESB-05-5.0		ND	3200								12		6.2		38		230	16
ESB-05-10.0		2000	18000															
EEB-1	Equipment Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Non-Detect

TABLE 2

Environmental Companies with Transportation and Disposal Experience

1. ACC Environmental Consultants
   100 Atlantic Ave. Alameda 522-8188

2. Bay Area Tank and Marine Environmental Technology
   501 Army San Francisco 695-8821

3. Chemical Waste Management
   610 Industrial Benicia 800-843-3604

4. Erickson
   255 Parr Blvd. Richmond 235-1393

5. IT Corporation
   4585 Pacheco Blvd. Martinez 372-9100

6. GeoResources
   505 Beach San Francisco 775-3177

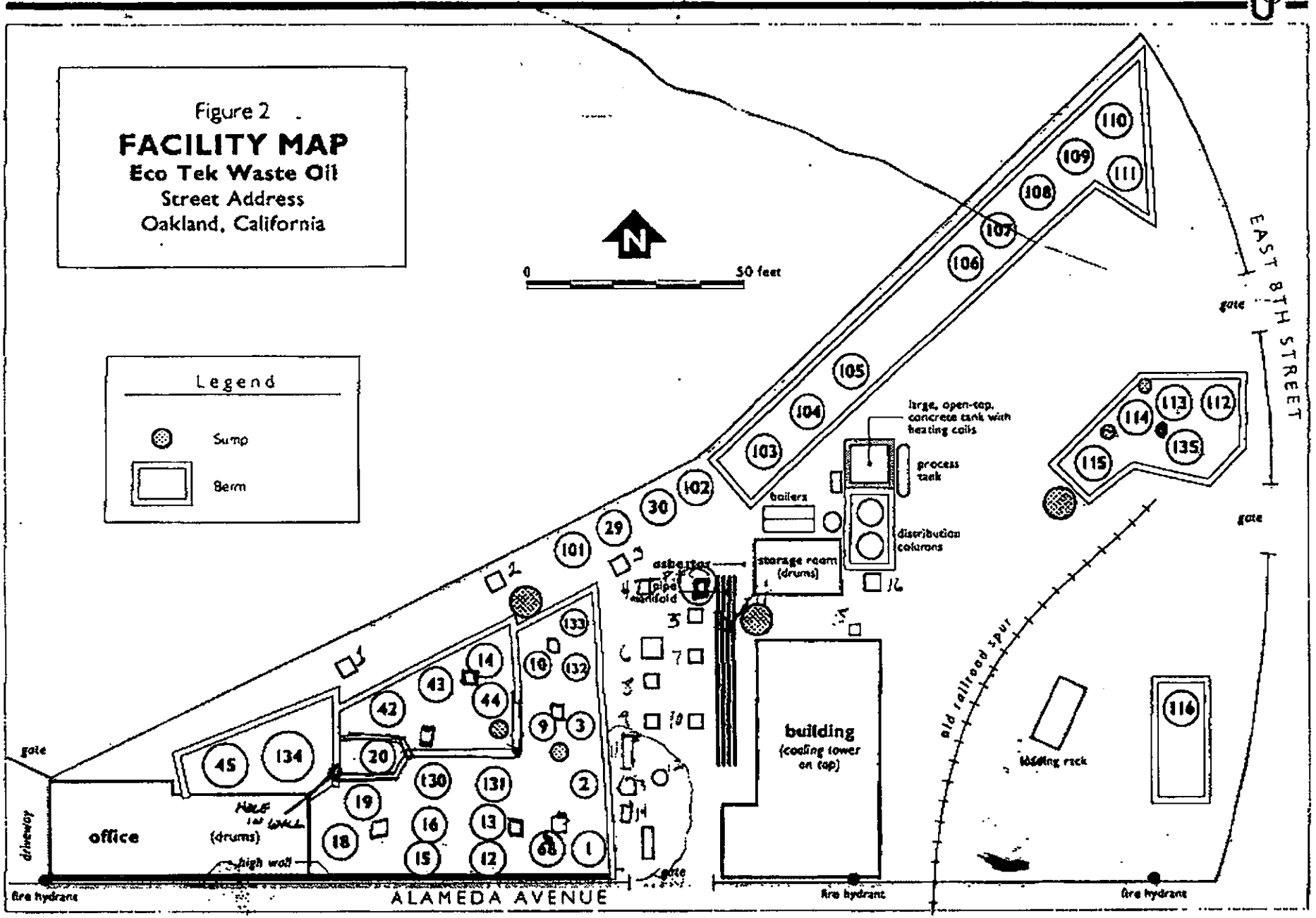
7. Harding Lawson
   303 2nd San Francisco 543-8422

8. Levine-Fricke
   1900 Powell Emeryville 652-4500

Figure 2

FACILITY MAP

Eco Tek Waste Oil
Street Address
Oakland, California



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