

ANANIA GEOLOGIC ENGINEERING

January 19, 1990

Ms. Katherine Chesick
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

gray
VOCs NA

Re: Solvent and Paint Compound Discovery at the Carnation Dairy Facility, Oakland, California

AGE Project No. 004-88-059

Dear Ms. Chesick:

During the course of groundwater remediation at the Carnation Dairy Facility (Facility), 1310 14th Street, Oakland an influent water sample was collected in the carbon treatment system. The results of the analysis indicted that the following constituents associated with paints and solvents were present:

<u>Compound</u>	<u>Result $\mu\text{g}/\text{l}$ (MDL 50 ppb)</u>
Phenanthrene	200
Anthracene	Trace (43)
Fluoranthene	90
Pyrene	91
Chrysene	Trace (38)
Bis (2-ethylhexyl)phthalate	Trace (33)
Benzo (b) fluoranthene	Trace (20)
Benzo (k) fluoranthene	Trace (21)
Benzo (a) pyrene	Trace (22)
2-Methylphenol	140
4-Methylphenol	Trace (34)
2-Methylnaphthalene	1000
Dibenzofuran	Trace (34)

Copies of the analytical results and Chain of Custody forms are attached.

All of the compounds discovered during this routine analysis are commonly associated with paints and solvents. The source of the contamination appears to be a broken sewer line which connects to a floor trap/grate in the paint shop at the Facility, as shown on Figure 1. AGE has identified the source and is making the

necessary arrangements to clean the trap and make it unusable. Additionally, we will inspect the sewer line, identify the break and either repair or abandon that part of the line.

If there are other corrective measures which you deem necessary, please let us know so that we may implement them. Thank for your guidance in this matter.

Sincerely,

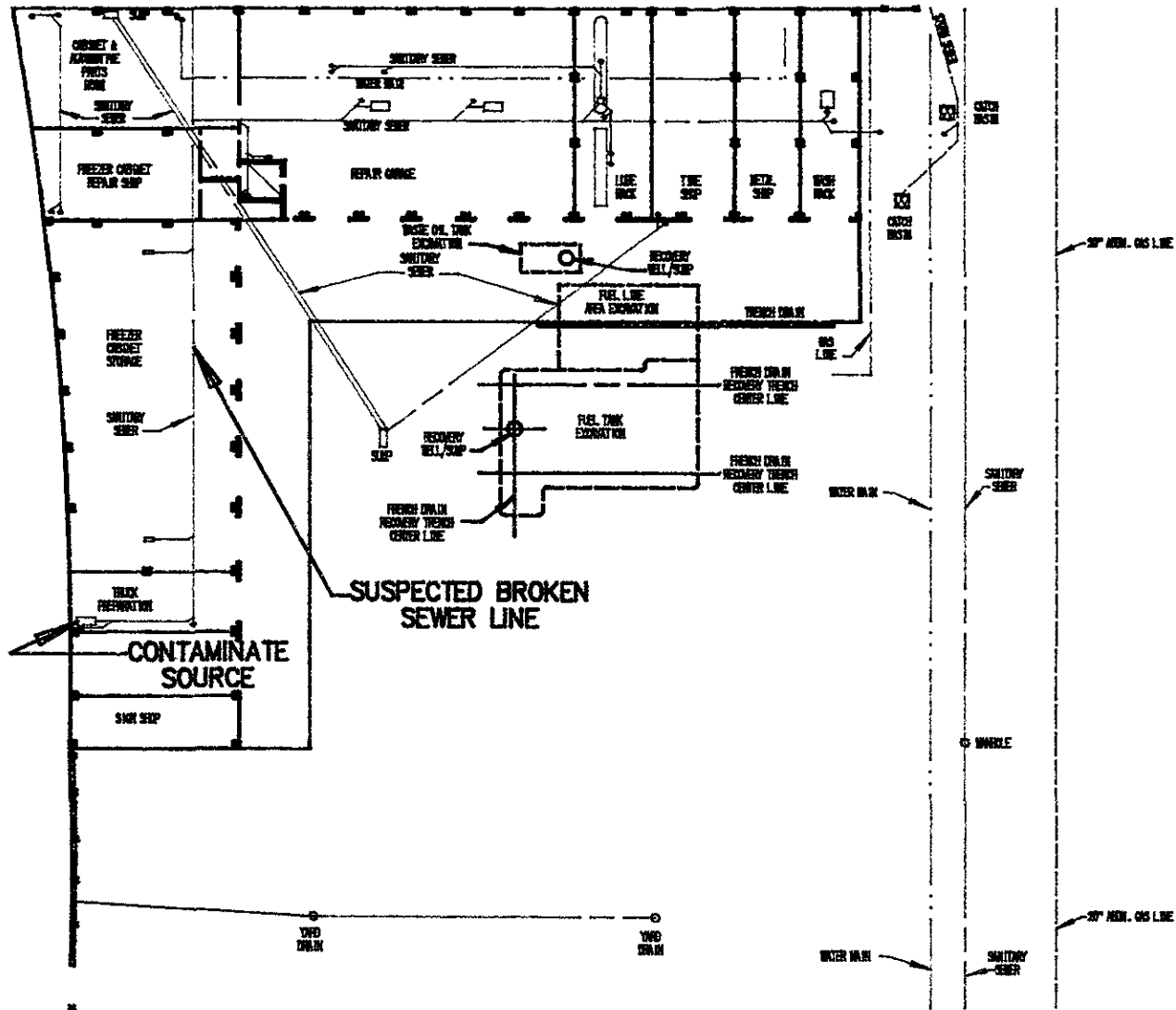


Jim Wallace
Senior Project Manager
Anania Geologic Engineering

Enclosures

cc: Howard R. Shmuckler, Carnation Company
James Person, Carnation Company

FIGURE 1



AGE
ANANIA GEOLOGIC ENGINEERING

TITLE: SOLVENT CONTAMINATE SOURCE		
PROJECT NAME:	CARNATION DAIRY FACILITY	PROJECT NO: 004-88-059
SITE LOCATION: 1310 14TH STREET OAKLAND, CA.		
DATE: 1-19-90	DRAWING NO.: 059-049	SCALE: 1" = 60'

PROJECT NO.		LAB REPORT NO.		NO. OF CON- TAINERS	ANALYSES										REMARKS	
P.O. NO.		SAMPLERS: (signature)			SAMPLE TYPE			8020	8080	8270	8240					
LAB LOG NO.	DATE	TIME	SAMPLE I.D.		SOIL		WATER									
					COMP	GRAB										
	1/11/90	1406	14098	7			X	X	X	X						
	1/11/90	1407	14097	7			X	X	X	X						
	1/11/90	1540	14077	7			X	X	X	X						
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)		REMARKS:					SEND RESULTS TO: AGE ATTN: Todd Galati 11330 Sunrise Park Dr. Suite C, Rancho Cordova, Ca (916) 631-0154 PHONE NO. (916) 451-0921					
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)												
RELINQUISHED BY: (signature)		DATE/TIME		RECEIVED BY: (signature)												

CHAIN OF CUSTODY

White- AGE

Yellow- LAB Copy

Pink- File

LABORATORY NUMBER: 19166-3
CLIENT ID: 14077

EPA 625
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BASE/NEUTRAL COMPOUNDS

	RESULT ug/L	LOD ug/L
Azobenzene	ND	5
4-Bromophenyl-phenylether	ND	50
Hexachlorobenzene	ND	50
Phenanthrene	200	50
Anthracene	TRACE (43)	50
Di-n-butylphthalate	ND	50
Fluoranthene	90	50
Benzidine	ND	5
Pyrene	91	50
Butylbenzylphthalate	ND	50
3,3'-Dichlorobenzidine	ND	250
Benzo (a) anthracene	ND	50
Chrysene	TRACE (38)	50
Bis (2-ethylhexyl)phthalate	TRACE (33)	50
Di-n-octylphthalate	ND	50
Benzo (b) fluoranthene	TRACE (20)	50
Benzo (k) fluoranthene	TRACE (21)	50
Benzo (a) pyrene	TRACE (22)	50
Indeno (1,2,3-cd) pyrene	ND	100
Dibenzo (a,h) anthracene	ND	100
Benzo (g,h,i) perylene	ND	100

HSL COMPOUNDS

Aniline	ND	5
Benzoic Acid	ND	250
2-Methylphenol	140	50
4-Methylphenol	TRACE (34)	50
2,4,5-Trichlorophenol	ND	250
Benzyl Alcohol	ND	50
4-Chloroaniline	ND	50
2-Methylnaphthalene	1,000	50
2-Nitroaniline	ND	250
3-Nitroaniline	ND	250
Dibenzofuran	TRACE (34)	50
4-Nitroaniline	ND	250

ND = None Detected, Limit of Detection (LOD) appears in right column

QA/QC SUMMARY: SURROGATE RECOVERIES

Compound	%Recovery	Compound	%Recovery
2-Fluorophenol	92	Nitrobenzene-d5	86
Phenol-d5	86	2-Fluorobiphenyl	120
2,4,6-tribromophenol	80	Terphenyl	51