ENVIRONMENTAL **AGE** ENERGY MINERALS

ANANIA GEOLOGIC ENGINEERING

August 31, 1989

CALIFORNIA REGIONAL WATER

SEP 5 1989

QUALITY CONTROL BOARD

Carnation

Katherine Chesick
Alameda County Health Department
80 Swan Way, Room 200
Oakland, California 94621

Re: Groundwater Samples Collected at the Oakland Dairy Facility, 1310 14th Street, Oakland, Alameda County, California

AGE Project No. 004-88-059

Dear Ms. Chesick:

As requested at the June 20, 1989, meeting between the Regional Water Quality Control Board (RWQCB), the Alameda County Health Department, Anania Geologic Engineering (AGE), and Carnation representatives, analytical results for groundwater samples collected at the Oakland Dairy Facility (Facility) are enclosed.

I apologize for the delay in sending the results. If you should have any questions, please do not hesitate to call me at (415) 234-4461.

Sincerely,

Christopher N. Nielson-Cerquone

Christopher Nielson-Cerquone
Project Manager

cc: Lester Feldman, RWQCB
Jim Person, Carnation Company
Howard Shmuckler, Carnation Company

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TRANSMITTAL OF GROUNDWATER SAMPLE RESULTS
OAKLAND CARNATION DAIRIES
1310 14TH STREET
OAKLAND, ALAMEDA COUNTY, CALIFORNIA

August 11, 1989

AGE Project No. 004-88-059

As requested at the June 20, 1989, meeting between the Regional Water Quality Control Board (RWQCB), the Alameda County Health Department, Anania Geologic Engineering (AGE), and Carnation representatives, analytical results for groundwater samples collected at the Oakland Dairy Facility (Facility) are enclosed. Groundwater samples were obtained from product recovery points PR-12, PR-20, PR-22, PR-41, and PR-55 (see enclosed map). The samples were analyzed for volatile hydrocarbons (method 8240), semi-volatile hydrocarbons (method 8270), PCB (method 8080), total lead, soluble lead, organic lead, chemical oxygen demand (COD), dissolved oxygen, and general mineral and physical parameters. A summary of the hydrocarbon and lead constituents detected is presented.

Prepared by:

Christopher Nielson-Cerquone — August 10, 1989.
Christopher Nielson-Cerquone — Date
Project Manager

Approved by:

Karl J. Anania — August 16, 1989
Karl J. Anania — Date
California Registered Geologist No. 4306
Managing Partner

SUMMARY OF DETECTED CONSTITUENTS IN GEOUNDWATER FROM EPA METHODS
8240, 8270, 8080, AND 6010

ANANIA GEOLOGIC ENGINEERING

PARAMETER	PRODUCT RECOVERY POINT PR-12	PR-20	PR-22	PR-41	PR-55
Benzene, ug/l	25000	31000	39000	5700	49000
Toulene, ug/l	43000	33000	39000	16000	51000
Ethylbenzene, ug/l	4100	1000	3400	2400	5100
Total Xylenes, ug/l	14000	9400	18000	14000	18000
Naphthalene, ug/l	30000	9100	3000	650	56000
2-methyl naphthalene, ug/l	30000	9900	1300	400	35000
1,2-dichlorethane, ug/l	ND	1600	2000	ND	1600
Flourene, ug/l	400	ND	ND	12	ND
Phenathrene, ug/l	700	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	12	ND
2,4-dimethyl phenol, ug/l	ND	ND	ND	760	ND
Flouranthene, ug/l	ND	ND	ND	14	ND
Benzylbutylphthalate, ug/l	ND	ND	ND	11	ND
Pyrene, ug/l	ND	ND	ND	13	ND
PCB, aroclor 1254, mg/l	0.06	ND	ND	ND	ND
Total Lead, mg/l	2.3	4.6	1.8	0.3	1.7
Soluble Lead, mg/l	0.13	2	1	0.43	0.09
Organic Lead, mg/l	ND	1.34	1.34	ND	ND

Total Lead, Soluble Lead, and Organic Lead Results

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