A Report Prepared for

Carnation Company 800 North Brand Boulevard Glendale, California 91203

SITE CHARACTERIZATION REPORT CARNATION FACILITY OAKLAND, CALIFORNIA

HLA Job No. 20294,011.02

9-17-91

by

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September 17, 1991

	AMP. T	TLV EAD	a Ous	SAMP	WELL. CONST	DEPTH (FT.)	USCS CLASS.	SOIL DESCRIPTION
No Hydrocarbon Odor			8	5		20 -		Boring Terminated at 27 feet on 8-29-89
·						30 -		,
						36 -		
,						38 -		
,						42 -		
AGEANANIA GEOLOGIC ENGINEERING PROJECT NO. 004-88-059				_		Oakland, Ca. NW-OS28 Sheet 2 of 2		

DATE STARTED: 8/29/89 SURFACE CONDITIONS: Asphaltic DATE COMPLETED: 8/29/89 Concrete TIME STARTED: SURFACE ELEVATION: 13.90 TIME COMPLETED: COORDINATES: N 2,704.7 E 3,220.1 DRILLING EQUIPMENT: Hollow Stem Auger GROUNDWATER CONDITIONS: Groundwater Encountered at 14 feet during drilling DRILLING CONTRACTOR: Accubore SLOT SIZE: 0.02 inch BORING DIAMETER: 10 inches BORING DEPTH: 27.0 feet CASING DIAMETER: 4 inch CASING DEPTH: 27 feet LOGGED BY: Robyn McKinney FILTER PACK: #2/16 Sand TLV BLOWSE WELL DEPTH SAMP. WELL DEPTH REMARKS USCS NO. READ CLASS. SOIL DESCRIPTION Asphaltic Concrete SM Aggregate Baserock SILTY SAND(SM) Dark Gray to Black, Hydrocarbon Odor dry-to-moist, medium dense 1176 grades moist 1177 1178 CLAYEY SAND(SC) Blue Gray, moist-to-wet, medium dense 1179 100 12 SILTY SAND(SM) Brown, dry-to-moist, Hydrocarbon Odor medium dense color change to Mottled Gray Brown Hydrocarbon Odor 10 1180 70 No Hydrocarbon Odor 70 grades moist to wet Free Groundwater Encountered at 14 feet during drilling 16 80 No Hydrocarbon Odor AGE Carnation Dairy Facility ANANIA GEOLOGIC ENGINEERING 1310 14th St., Oakland, Ca. Sheet 1 of 2 PROJECT NO. LOG OF MW-OS28 004-88-059

REMARKS	SAMP.	TLU READ	BLOWS	SAMP TYPE	CONS.	DEPTH	USCS CLASS.	SOIL DESCRIPTION	
No Hydrocarbon Odor	NO.			DA.1		20		Color change to brown Boring Terminated at 24 1/2 feet on 8-28-89	
						36 -		·	
,						40 -			
					4	12 -			
AGE					iry Facility				
NANIA GEOLOGIC ENGINEERING					1310 14th St., Oakland Co				
DJECT NO. 004-88-059					LOG OF MW-OS27				

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DATE STARTED: 8/28/89 SURFACE CONDITIONS: Asphaltic DATE COMPLETED: 8/28/89 Concrete TIME STARTED: SURFACE ELEVATION: 14.33 TIME COMPLETED: COORDINATES: N 2,666.4 E 3,271.2 DRILLING EQUIPMENT: Hollow Stem Auger **GROUNDWATER CONDITIONS:** Free Groundwater Encountered at 14 feet during drilling DRILLING CONTRACTOR: Accubore SLOT SIZE: .020 inch BORING DIAMETER: 10 inches BORING DEPTH: 24.5 feet CASING DIAMETER: 4 inch CASING DEPTH: 24 feet LOGGED BY: Robyn McKinney FILTER PACK: #2/16 sand SAMP. TLV BLOWS WELL DEPTH uscs REMARKS SOIL DESCRIPTION CLASS. Asphaltic Concrete SM SILTY SAND(SM) Gray, dry-to-moist, medium dense with some clay 10 1172 400 15 grades with increasing sand, color change to 1173 200 20 Gray-Brown 10 color change to Red-Brown, grades wet, grades with increasing clay content TLV reading 70ppm at well head 16 Carnation Dairy Facility AGE 1310 14th St., Oakland, Ca. ANANIA GEOLOGIC ENGINEERING Sheet 1 of 2 PROJECT NO. 004-88-059 LOG OF MW-OS27

REMARKS	SAMP.	TLV READ	31.048 / 6*	F CON	L DEPTI	USCS	SOIL DESCRIPTION	
					20			
					26 —		Boring Terminated at 25 feet on 8-24-89	
					28 -			
					30 -		,	
·					32 -			
					34 -			
					-			
					36 -			
					-			
					38			
,					40			
					42 -			
					-			
AGE	 :		$\perp \downarrow$		Carr	ation D	airy Facility	
ANANIA GEOLOGIC ENGINEERING ROJECT NO. 004-88-059					Oakland, Ca. Sheet 2 of			

DATE STARTED: 8/24/89 SURFACE CONDITIONS: Asphaltic DATE COMPLETED: 8/24/89 Concrete TIME STARTED: SURFACE ELEVATION: 13.55 TIME COMPLETED: COORDINATES: N 2,676.8 E 3,206.4 DRILLING EQUIPMENT: Hollow Stem Auger GROUNDWATER CONDITIONS: Free Groundwater Encountered at 17 feet during drilling DRILLING CONTRACTOR: Accubore SLOT SIZE: 0.02 inch BORING DIAMETER: 10 inches BORING DEPTH: 25.0 feet CASING DIAMETER: 4 inches CASING DEPTH: 25 feet LOGGED BY: Robyn McKinney FILTER PACK: #2/16 sand SAMP. TLV BLOWSE WELL DEPTH REMARKS USCS READ / 6" FONST (FT.) NO. CLASS. SOIL DESCRIPTION Asphaltic Concrete 75 SM Portland Cement Concrete 2097 100 110 Aggregate Baserock, does not appear to be 2098 | 110 stained 110 2099 130 Hydrocarbon Odor Silty SAND(SM) Dark Gray to Black, dry to 230 moist, medium dense, color change to Black 2100 150 Slight Hydrocarbon Odor color change to Light Gray 200 grades moist 2101 180 Hydrocarbon Odor color change to Green Gray, grades with some color change to Green Gray, slightly moist 7 2103 | 5500 12 Hydrocarbon Odor 3 Hydrocarbon Odor 2109 12 color change to Red, grades moist 2104 500 10 Pulled auger to ream with 10 plug 12 600 grades with increasing clay content 18 600 Free Water Encountered at 17 feet during drilling AGE Carnation Dairy Facility ANANIA GEOLOGIC ENGINEERING 1310 14th St., Oakland, Ca. PROJECT NO. Sheet 1 of 2 004-88-059 LOG OF MW-OS26