PLAINTIFF'S EXHIBIT
DUP-456

June 15, 1984

To : S. W. Ellis Jr.
From : David Horecka

ASBESTOS REMOVAL FROM STEAM FLASH TANK - DIAMINE AREA

On May 24, 1984, Zachary Construction removed Asbestos from the 30-70 lb. Steam Flash Tank located in the Diamine Refining Area. Periphery monitoring was done to ensure that the roped off area was below the TLV for Asbestos of 0.5 fibers/cc >5 microns in length. Three "spot checks" were made to allow for variations in weather data and work load changes. (Sample location and weather data are noted in Tables II and III.)

The samples were obtained using NIOSH Analytical Method P&CAM 239. Calibrated Bendix 44 high flow sampling pumps were used to pull ambient air through a 37mm cassette with a Millipore AAWHP 0.8 um MCE filter in line. Airborne Asbestos fibers were trapped on the filter.

The cassettes were analyzed by the Clayton Environmental Consultants, Inc. for Asbestos fibers greater than 5 Microns in length (fibers/filter). The results show that Asbestos periphery levels are well below the TLV (Table I).

DUP 0814327

TABLE I

ASBESTOS REMOVAL - PERIPHERY MONITORING

LN.	DATE	LOCATION	ANAL. METHOD	ST. TIME	TIME HR.	VOL. LITER	TLV	RESULT STEL	RESULT 8-HR. TWA
		Cassette No. AS-24	NIOSH P&CAM				8-HR. TWA .5 Fibers	.178 Fibers	.011 Fibers
998	5-24-84	* 24 Ft. NE From Flash Tank	239	1430	.50	78.47	>5 Microns/cc	>5 Microns/cc	>5 Microns/cc
		Cassette No. AS-25					STEL 10 Fibers	1.341 Fibers	.084 Fibers
999	"	20 Ft. N From Flash Tank	"	"	"	71.60	>5 Microns/cc	>5 Microns/cc	>5 Microns/cc
		Cassette No. AS-26						.666 Fibers	.042 Fibers
1000	"	16 Ft. NW From Flash Tank	"	"	"	87.10		>5 Microns/cc	>5 Microns/cc

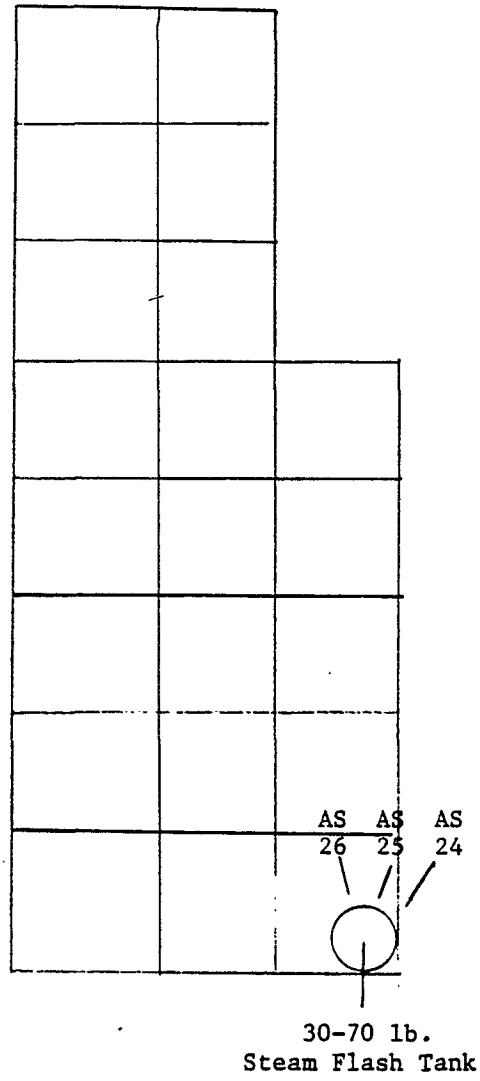
* Pump Locations Are Noted In Table II

TABLE II

ASBESTOS REMOVAL FROM 30-70 LB. STEAM FLASH TANK

MONITORING RESULTS AND PUMP LOCATIONS

AS-24 24 Ft. NE From Flash Tank
AS-25 20 Ft. N From Flash Tank
AS-26 16 Ft. NW From Flash Tank



BLDG. 542
DIAMINE REFINING

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TABLE III

D DATA FROM MINI NPH

DAY	TIME	WIND SPEED	WIND DIR. (N=0,E=90)	AMBIENT TEMPERATURE	BAROMETRIC PRESSURE	RELATIVE HUMIDITY
145	1455	4.800	153.720	89.100	28.146	55.300
145	1446	4.200	143.640	90.150	28.136	55.800
145	1435	7.800	129.960	90.600	28.172	56.700
145	1426	3.800	108.720	92.100	28.138	51.500
AVG.		5.150	134.010	90.488	28.148	54.825
SIGMA		1.571	16.861	1.078	0.014	1.984

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DUP 0814331

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Analytical Laboratory Report

Mr. David L. Horecka
550 Lab, Station 53-A
E.I. DUPONT DE NEMOURS & COMPANY, INC.
P.O. Box 2626, Victoria Plant
Victoria, TX 77902

Date Reported: 11-JUN-84
Date Received: 07-JUN-84
CEC Job No.: 22024-17
P.O. No.: LOV-44085-L

Dear Mr. Horecka:

The samples which you submitted to us have been analyzed as requested; the results are compiled in the following table.

Lab Number	Sample Description	Fibers Greater Than 5 Microns in Length (fibers/filter)
323958	AS 24	14,000
323959	AS 25	96,000
323960	AS 26	58,000

Limit of Detection: 3,000 fibers/filter
Analytical Method (NIOSH): P&CAM 239

In the calculation of airborne concentrations, care should be used in the interpretation of results when using values of below 28,000 fibers/filter (corresponding to a count of 10 fibers/100 fields) as NIOSH states that the statistical variation of the asbestos method is greatly increased at low fiber counts.

Please contact us at (313) 424-8860 if you have any questions. It has been a pleasure assisting you.

Ellen Hoffman for

Robert Lieckfield Jr., C.I.H.
Manager, Laboratory Services
Southfield Office