

1983 data



DOW CHEMICAL U.S.A.

REV
9/15

JANUARY 16, 1984

LOUISIANA DIVISION
P. O. BOX 150
PLAQUEMINE, LOUISIANA 70764-0150
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HUGO ANDRICAIN
A. E. KIRBY
D. R. FABRE
SHIFT SUPERVISORS
BULLETIN BOARD
DANNIE KENNEDY
ELAYNE HYATT

MARINE
MARINE
MARINE
DOCK #1
INDUSTRIAL HYGIENE
SAFETY SUPERINTENDENT

FOR YOUR INFORMATION, ATTACHED ARE PERSONNEL EXPOSURE LEVELS, SHOWN
IN PARTS PER MILLION, FROM BARGE LOADING AND SHIP DISCONNECT OPERATIONS
IN 1983. SAMPLES WERE TAKEN WITH PERSONNEL MONITORING PUMPS. TLV'S
LISTED ARE MAXIMUM ALLOWABLE EXPOSURES.

J. L. Moreau Jr.
J. L. MOREAU, JR.
INDUSTRIAL HYGIENE
RAILROAD/MARINE

lrj

DO 082722
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8 HOUR TWA - PERSONNEL SAMPLES - BARGES

<u>METHYLENE CHLORIDE TLV-100</u>	<u>CHLOROFORM TLV-10</u>	<u>PERCHLORO- ETHYLENE TLV-50</u>	<u>ETHYLENE DICHLORIDE TLV-10</u>	<u>CARBON TETRACHLORIDE TLV-5</u>	<u>METHANOL TLV-200</u>	<u>TOLUENE TLV-100</u>
0.32	2.57	0.04	9.25	1.46	1.05	1.78
12.27	3.94	0.05	10.26	3.21	1.03	0.67
0.53	5.02	0.04	9.88	1.46	0.04	0.31
	0.24				0.03	
27.09		0.15	0.01		2.03	41.58
0.009	4.95	0.04	2.74			
17.88	7.00	0.14	0.77			9.89
0.16	7.85		1.33			
						0.14
	1.06					0.15
	0.53					0.14
	2.51					0.12
						0.17
						0.17
						0.15
						0.22
						3.10
						2.47

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15 MIN. EXCURSIONS - PERSONNEL SAMPLES - BARGES

<u>METHYLENE CHLORIDE TLV-500</u>	<u>CHLOROFORM TLV-50</u>	<u>PERCHLORO- ETHYLENE TLV-150 (200)</u>	<u>ETHYLENE DICHLORIDE TLV-15</u>	<u>CARBON TETRACHLORIDE TLV-20</u>
0.57	8.72	0.63	0.16	18.42
0.31	8.67	0.86	0.16	
5.31	6.19		0.16	
2.05	9.91	1.9	0.16	
		1.9		
		1.9	3.80	
		1.9	4.85	

MARINE DOCK #1

VINYL CHLORIDE SHIP DISCONNECT EXCURSIONS - PERSONNEL

TLV-5

<u>DATE</u>	<u>SHIP</u>	<u>TOP DECK ONLY NO RESPIRATORY PROTECTION</u>	<u>WORKED DISCONNECT USED BREATHING AIR</u>
1/21	INGE MAERSK	0.74	110.8
2/9	MERWE GAS	0.37	7.7 4.1
2/25	MERWE GAS	0.75	11.78 10.89
3/21	REINA DEL RAMA	1.97	34.3 71.2
3/23	AMELIA	2.44	12.2 16.9
6/8	REINA DEL RAMA	0.20 0.47	0.97
6/16	FERNWAVE	14.0	169.39 444.4
6/18	GAS MARINER	2.0	9.34 27.1
6/22	DELTA GAS	0.19	14.6 2.27
8/27	HENRIETTE THOLSTRUP	0.0 0.0	2.93
8/29	DELTA GAS	0.18 0.1	82.3
TOTAL	OVEREXPOSURES	1 OF 14	14 OF 18

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MARINE DOCK #2

VINYL CHLORIDE SHIP DISCONNECT EXCURSIONS - PERSONNEL

TLV-5

<u>DATE</u>	<u>SHIP</u>	<u>TOP DECK ONLY NO RESPIRATORY PROTECTION</u>	<u>WORKED DISCONNECT USED BREATHING AIR</u>
1/17	GAZANA	0.79	22.3 30.6
2/23	GAMBADA	2.01	5.65 6.87
3/24	VASCO DA GAMA	1.51	43.3 70.4
3/27	TARQUIN ROVER	0.1	69.4 96.2
4/9	TARQUIN ROVER	19.5	366 666
4/19	GAZANA	0.69	4.37 0.61
5/1	ADMIRAL CABRAL	0.4	24.7 18.0
5/9	DELTA GAS	2.68	39.0 14.1
7/22	DELTA GAS	0.8	20.6 34.17
7/28	SUSAN MAERSK	3.31	64.6 138.0
9/16	HENRIETTE THOLSTRUP		4.92 3.55
10/16	GAZANA	0.19 1.51	2.68
10/18	PRINS MAURITS	0.09 0.06	33.8
10/31	PRINS MAURITS	8.32	11.1 0.12
11/6	HENRIETTE THOLSTRUP	0.2	64.4 42.1

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MARINE DOCK #2 (cont'd)

VINYL CHLORIDE SHIP DISCONNECT EXCURSIONS - PERSONNEL

TLV-5

<u>DATE</u>	<u>SHIP</u>	<u>TOP DECK ONLY NO RESPIRATORY PROTECTION</u>	<u>WORKED DISCONNECT USED BREATHING AIR</u>
11/13	PRINS MAURITS	0.29	0.1 15.7
12/9	HENRIETTE THOLSTRUP	0.24 0.63	5.67
12/13	GALCONDA	1.03 0.55	142.0
TOTAL OVEREXPOSURES		2 OF 21	25 OF 32

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