



INTER-OFFICE CORRESPONDENCE

To: Mr. F. J. Trunzo

Date: August 9, 1974

From: Zeb G. Bell, Jr.

Location: 19 East

Subject: S.S. Puerto Rican

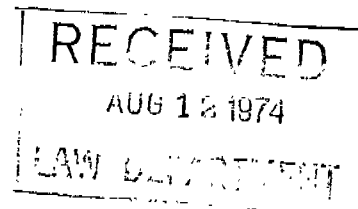
The attached data on VCM during loading of the S.S. Puerto Rican shows some high levels. I think we should talk to W. Hammond and see what action and advice we should provide to operators of the ship.

A handwritten signature in cursive script, appearing to read 'Zeb G. Bell, Jr.', written in dark ink.

Zeb G. Bell, Jr.

ZGB:mal

Attachment





INTER-OFFICE CORRESPONDENCE

Date: July 23, 1974

From: W. Torres

Location: Laboratory

Subject: VCM Concentrations on
and in Area of S. S.
Puerto Rican During
VCM Loading

To: D. Ferguson

Voyage: 61

1. Vinyl chloride concentrations were measured on and in the area of the S. S. Puerto Rican during VCM loading with the Organic Vapor Analyzer (OVA). Readings were taken during hook-up operations, then every other hour during the loading. Note: Although the OVA is calibrated for VCM, any organic vapor present in the area will register. However, it is presumed that organic vapors present in most of the areas monitored are VCM. (See section 2.) VCM Loading:

Date of Loading: July 22, 1974 Time on: 1:05 AM 7-23-74 to 4:50 AM 7-23-74

AREA	Time	OVA Readings, ppm (Presumably VCM)											
		23:00	00:20	01:30	02:30	04:40	06:45						
OVA Background Reading		4	5	5	5	6	7						
#3 Dog House		4	10	20	10	10	20						
#6 Dog House		4	30	40	200	400	400						
#3 Valve Area (Includes Expansion Trunks)		4	4	10	10	7	10						
#6 Valve Area (Includes Expansion Trunks)		5	15	30	40	600	200						
Port Headers (Liquid and Vapor)		5	4	30	60	50	10						
Starboard Headers (Liquid & Vapor)		4	5	5	5	7	7						
Relief Valve Enclosure		4	4	5	5	7	7						
Bow Area		4	4	5	5	7	7						
Front of Superstructure		4	5	5	5	6	7						
Loading Pump (VCM Storage)		6	30	20	30	40	30						
North West Quadrant: 1000 ft.													
North West of Vent Stack		4	4	5	5	6	7						
South West Quadrant: 2000 ft.													
South West of Vent Stack		4	4	5	5	6	7						
Other Areas													
Back of Laboratory		4	4	5	5	7	7						

Analyst: Any reading greater than 50 ppm in any of the above areas is to be reported to CAPTAIN or the FIRST MATE immediately, without fail.

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S. 5. Puerto Rican During VCM Loading

Comments:

1. The high readings found on #6 Dog house and port headers were reported to the first mate.
2. Again the high reading found on #6 Dog house was reported to the first mate. The area was checked but the leak was still present. Finally at 07:15 AM the problem was resolved. It was caused by a leak in a sample tube. It was fixed.
2. Since the OVA is not specific for VCM, several monitors which are specific for VCM were placed in the following areas. The reported values are time-weighted averages for the duration of the VCM loading operation.

Average VCM Concentration

AREA	PPM	mg/m ³
3 ft. down wind from loading header, at deck level	0.2	0.4
VCM loader (personnel monitor) Name: F. Ortiz	None found	
North-west Quadrant: 1000 ft. North-west of Vent Stack	0.7	1.9
South-west Quadrant: 2000 ft. South-west of Vent Stack	0.1	0.3

Wind velocity and direction

1. During Hook-up: 2 mph NE
2. Half way through loading operation: 3 mph NE

Comments:

W. Torres

W. Torres

ejs

cc: ~~W. G. DeMarco~~

K. R. Mesloh

A. Procko

C. Racer

D. Winfield

R. Osucha

L. Albino

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