

Tenneco Chemicals
A Tenneco Company

Turner Place, P.O. Box 365
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(201) 981-5000

MR J.F. ERDMANN }
TEXAS CITY } from Nick Wheeler

RECEIVED
NOV 14 1977

September 27, 1977

Mr. Paul D. Fahrenthold
U.S. Environmental Protection Agency -
Region VI
1201 Elm Street
Dallas, Texas 75270

VCM
FUGITIVE
LOSS REPORT

Dear Mr. Fahrenthold:

Your letter of August 5, 1977 requested information designed to aid in your attempt to quantify fugitive emissions of vinyl chloride, from facilities within Region VI. Attached please find the survey form, completed by our Mr. T. T. Moore. The data reflects a summary of actual experience, or an engineering estimate based on maintenance records.

With regard to seal leakage, the figures reported do not segregate incidences of leakage at double versus single mechanical seals. Maintenance personnel suggest, however, that no significant advantage resulting from the recent installation of double seals has been apparent. This tends to confirm data Industry provided the Agency, prior to promulgation of the Vinyl Chloride Standard, against the requirements of Paragraphs 61.65(b)3(i), 61.65(b)3(iii) and 61.65(b)3(v).

Should you require additional information, please contact me.

Very truly yours,

TENNECO CHEMICALS, INC.

J. P. Sandstedt
Manager of Environmental Engineering

JPS:db

Enclosure

bcc: W. P. Anderson
C. Crain
J. Kachtick
T. T. Moore
G. I. Rozand

UCC
051943

UCC
051944

COMPANY Tenneco Chemicals Inc. LOCATION Pasadena, Texas PLANT PVC DATE 9/2/77 BY T. T. Moore

	PRESSURE RELIEFS	PROCESS VALVES	CONTROL VALVES	PUMP SEALS	COMPRESSOR SEALS	AGITATOR SEALS
ESTIMATED NUMBER OF UNITS IN ORGANICS SERVICE	100	750	20	14	4	5
TOT. NUMBER OF UNITS/YEAR DISCOVERED WITH A DETECTABLE LEAK	0	100	10	50	20	2
TOT. NUMBER OF UNITS/YEAR REQUIRING REPAIR DUE TO LEAKAGE	0	100	10	50	20	2
NUMBER OF UNITS ON MONITORING SYSTEM	100	750	20	14	4	5

TEST FREQUENCY IS * TIMES/YEAR

NOTES:

- *1. Reactors are pressure tested on each batch cycle.
- *2. Other areas of the plant are checked daily.

TOT. NUMBER OF UNITS/YEAR DISCOVERED LEAKING & REPAIRED
ESTIMATED; LEAKING UNITS AS PERCENTAGE OF TOTAL UNITS
IN ORGANICS SERVICE IN PROCESS

FLANGED JOINTS	SCREWED JOINTS	BLINDS
25	0	3
0.6%	0	10%

TEST FREQUENCY IS * TIMES/YEAR

NOTES:

* NOTE TIME BASE IF OTHER
THEN ONE YEAR.