



INTERNAL CORRESPONDENCE

CHEMICALS AND PLASTICS

P. O. BOX 471, TEXAS CITY, TEXAS 77590

TO (NAME) Mr. R. L. Frantz
COMPANY
LOCATION Texas City Plant

DATE August 7, 1974

COPY TO Mr. O. A. Shelton

SUBJECT Vinyl Chloride Monitoring

Mr. Frantz:

For a period of one month beginning June 22, 1974 through July 21, 1974, data from the vinyl chloride monitor in Building 174 was compiled and analyzed. Due to malfunctions with the VFA analyzer, only fourteen days of monitoring were observed with a total of 443 readings.

From the data listed in Table I, it is concluded that:

1. Point 15, Building 119, south side, northwest of ST, is the most severe location. It exceeds 50 ppm 52 times and has an average concentration of 21.9 ppm.
2. Point 13, Building 119, compressor room, exceeds 50 ppm on 50 occasions and has an average concentration of 27.6 ppm.
3. Since the next highest average concentration of vinyl chloride is only 9.4 ppm and points 13 and 15 together account for nearly half (45.5%) of the total number of readings above 50 ppm, these two locations deserve the foremost attention.

Sincerely,

A handwritten signature in cursive script that reads "Rick Keefe".

Rick Keefe

RK/st

Attachment

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TABLE I

VINYL CHLORIDE DATA FROM VFA ANALYZER
FOR PERIOD JUNE 22 - JULY 21, 1974
WITH TOTAL OF 443 READINGS AT EACH POINT

<u>Test Point Location</u>	<u>Avg. min. (ppm)</u>	<u>Avg. max. (ppm)</u>	<u>Average (ppm)</u>	<u>No. of readings exceed. 50 ppm</u>
1. Control room, B-174	0.14	7.9	1.1	1
2. Downstairs, East line	0.21	57.3	6.4	7
3. Downstairs, North line	0.50	61.5	8.7	18
4. Downstairs, South line	0.21	40.6	3.4	6
5. Second level, East line	0.43	35.4	5.5	3
6. Second level, North line	0.43	15.4	2.6	0
7. Second level, South line	0.29	29.5	4.0	3
8. North line, B-119, 1st level west end	0.57	44.1	5.3	6
9. Bldg. 127, second level	0.43	26.1	5.0	1
10. Bldg. 119, north side, second level center	0.36	52.1	6.4	11
11. Bldg. 119, north side, third level, center	0.43	42.5	5.7	8
12. Off-gas rec. facilities	0.36	41.7	5.0	6
13. B-119, compressor rm.	5.43	81.1	27.6	50
14. B-119, maint. eating rm.	1.43	44.1	7.3	8
15. B-119, so. side NW of st.	2.21	79.7	21.9	52
16. VCl unloading facilities	1.29	67.1	9.2	14
17. T.A. 4, ground level	0.86	62.1	9.4	20
18. Pilot plt. grating(near AC, VCl, tk)	0.50	43.6	4.2	6
19. B-120 control room	0.29	22.9	1.8	3
20. Roving point	0.21	26.2	3.1	1

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