cc: K. E. Rose
R. L. Dority
E. Sand

SID would like to standardize on the "computer" package for the 5 VCM monitors. We will want to get together soon & decide what it is we want made

UNION CARBIDE

INTERNAL C RRESPONDENCE

CHEMICALS AND PLASTICS • SOUTH CHARLESTON PLANT P. O. BOX 8004, SOUTH CHARLESTON, W. VA. 25303

RECEIVED
JUL 11 1974
M. E. EISENHOUR

To (Name) Mr. J. H. Brubaker
Division Mr. G. L. Baker
Location LOCATION 511

Date July 5, 1974

Originating Dept.

Answering letter date

Subject VCl Chromatograph
(CMVII VFA - Model 1200)
Computer Data

Copy to Mr. H. D. Barnes
Mr. J. L. Carvajal
Mr. M. E. Eisenhour, 515
Mr. J. E. Giffin
Mr. G. F. Hurley, 511
Mr. R. N. Wheeler, Jr.
085 Staff (1)
085 Operations Foremen (1)

The Dispersion Vinyl Resins Unit staff has found the twenty-point chromatograph to be a key instrument in its campaign of VCl exposure control.

The chromatograph analyses can be organized and manipulated to give the VCl concentration for different parameters on a daily basis, a month-to-date basis and a year-to-date basis.

The chromatograph takes 720 samples daily. The long manual and manpower-consuming calculations required to compute the chromatograph results limit our ability of using this instrument efficiently. In order to take full advantage of the chromatograph and in order to obtain the various data needed by the 08500 Department, a computer system is absolutely necessary.

On the next page is a list of the data needed by the 08500 Department.

For further information or clarification, please contact me at Extension 2821.

Sincerely,

Claude Bayard

Claude Bayard
Safety Coordinator

CB/ra

UCC 094428

Is this Required by OSHA or is it just extra work? OE

DISPERSION VINYL RESINS
CHROMATOGRAPH COMPUTER DATA BANK REQUIRED

* 1. Daily average of each of the 19 points points (Point #20 is a test point).

* 2. Month-to-date average of each of the 19 points.

3. Year-to-date average of each of the 19 points.

* 4. Daily number of peaks above 50 ppm for each of the 19 points. *

* 5. Month-to-date daily average of peaks above 50 ppm for each of the 19 points.

6. Year-to-date daily average of peaks above 50 ppm for each of the 19 points.

* 7. All the above (1→6) for all 19 points combined.

8. All the above (1→7) per shift (A, B, C, D).

9. All the above (1→8) per job, except Item 7.

10. Graphs on all above data (1→9); (bar graph).

11. Number of samples involved in computing the above averages (1→9).

12. Standard deviation analysis of the above (1→3).

13. Alarm system to identify points above 50 ppm (Tape System).

14. Computer to be able to hold memory in case of power loss.

*Data presently calculated manually.

C. Bayard/ra

July 5, 1974