

*Passed in Process*

B.F.GOODRICH CHEMICAL COMPANY  
AVON LAKE TECHNICAL CENTER

MINUTES OF THE VCM NOISE PRACTICES COMMITTEE  
November 4, 1976

1. Summary of personnel and task monitorings -----V. Carson

Results of the personnel monitorings (6 hr.) for process operations were 100% under 0.5 ppm of VCM.

Task monitorings (33 samples of 15 minutes each) were 97% < 5 ppm. High task monitorings were:

|                                 |          |
|---------------------------------|----------|
| a. Taking T.S.-----             | 23.4 ppm |
| b. Taking T.S.-----             | 2.89     |
| c. Blowdown of Small Poly ----- | 2.12     |
| d. Taking T.S.-----             | 1.77     |

The standards limit is 5 ppm.

2. Summary of work area monitorings -----G. Wilson

Monitorings (one every 1.66 minutes) in our regulated building averaged 0.55 ppm of VCl this month with 5.7% of the readings exceeding 1 ppm of VCM, 0.9% over 5 ppm and 0.05% over 99 ppm.

Process operators of our regulated building wore their masks as follows:

|           | <u>Ave.</u>     | <u>Maximum</u> |
|-----------|-----------------|----------------|
| 1st Floor | 27.19 min/shift | 201 min/shift  |
| 2nd Floor | 30.03 " "       | 161 " "        |
| 3rd Floor | 53.01 " "       | 212 " "        |

Four additional sensors have been installed to measure 2nd floor of 417, Bowen drier, control room, and the breathing air.

3. High exposure operations -----L.A. Bennett

High exposure areas are:

|                                             | <u>times reported since 6/15</u> |
|---------------------------------------------|----------------------------------|
| a. Seal leaks (VCl pumps)                   | 54                               |
| b. Sampling (large and small)               | 54                               |
| c. 3000 gallon stripper - venting           | 42                               |
| d. VCM charge bottle - venting              | 60                               |
| e. Small Poly - venting and evacuating      | 27                               |
| f. Blowing down sampling charge to stripper | 47                               |
| g. 100 gallon stripper venting              | 67                               |
| h. ALGCP                                    | 60 plus                          |

4. Review of EPA VCM standard that issued on October 21, 1976 -----L.A. Bennett

Standard reads as follows:

Section 61.60 (b)-----This subpart does not apply to equipment used in research and development if the reactor used to polymerize the vinyl chloride processed in the equipment has a capacity of no more than 0.19 m<sup>3</sup> (50 gal.).

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## 4. (Continued)

(c) Sections of this subpart other than 61.64 (a)(1), (b), (c), and (d) do not apply to equipment used in research and development if the reactor used to polymerize the vinyl chloride processed in the equipment has a capacity of greater than  $0.19 \text{ m}^3$  (50 gal.) and no more than  $4.07 \text{ m}^3$  (1100 gal.).

A waiver was requested on November 10, 1976 for a recovery unit in the VCM pilot plant. Time schedule to be as follows:

- |                               |         |
|-------------------------------|---------|
| a. Purchase orders to start   | 2/0/77  |
| b. Initiation of construction | 7/0/77  |
| c. Completion of construction | 2/01/78 |
| d. Compliance to be achieved  | 5/01/78 |

## 5. Status of 50 gallon stripper -----G. Wilson

Stripper (50 gal.) for latexes and dispersion resins is being tested. Foam and dilution are problems. Stripper for suspension resins continues to operate satisfactorily

## 6. Status of two new 55 liter polymerizers -----G. Wilson

Polymerizers are on hand. Flush bottom valves are now being designed. Polymerizers should be operational in 2nd quarter of 1977.

## 7. Status of RV in VCM line from ALGCP -----G. Wilson

Last Saturday, the RV was moved to near the pump house, where it can be tied into the ALGCP VCM recovery system.

## 8. VCM recovery system -----G. Wilson

See (4) above.

## 9. Tall stack -----G. Wilson

Stack should be here by November 22, and up and operating in December. Then we will tie in the VCl jets.

## 10. Breathing air -----G. Wilson

Breathing air filter is operating satisfactorily. At first the air was bypassing the filter media. This has been corrected.

Plan to extend lines to the Hydrin Area. Will also calculate the cost of a unit for building 422.

## 11. Air Masks -----J. Alten

Ran out of masks - twenty-five are on order. Maintenance men working full time in B/414 have masks as do process operators.

Safety department reported that all are taking good care of their masks.

12. Bottle polymerizers for B/414 -----G. Wilson  
 No information. Will check with Leeson.
13. S.O.P.'s for process building B/414 -----G. Wilson  
 An S.O.P. for the dispersion latex stripper has been circulated for comments.
14. Masks in Control Room? -----L. Bennett  
 It was the consensus of the group that more data be obtained before we begin wearing masks in the control rooms of B/414.

*Lee Bennett*

L. A. Bennett

LAB:SM  
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