

B.F.GOODRICH CHEMICAL COMPANY
Inter-Organization Correspondence

December 19, 1975

To: L.S. Wallis
L.A. Bennett
D.E. Giffin
W.A. Spillman
R.L. Martin
D.P. O'Keefe

Subject: Area Monitoring Report for VCM

Preparations are well under way for changes necessary to meet the more rigorous VCM regulations required on April 1, 1976. Eight gas chromatographs have been ordered to replace eight total hydrocarbon analyzers (3 at Avon Lake, 3 at Louisville and 2 at Pedricktown). Delivery is expected about March 1, 1976, or sooner. Avon Lake and Long Beach already have gas chromatographs in operation and Henry is planning to rededicate an existing process gas chromatograph to VCM monitoring service.

Each of the eight new GC systems will be equipped to alarm at 1, 5, and 100 ppm, and will handle between 6 and 10 streams. Analysis time per stream will be 60 seconds. Thirty counters are being provided with each machine to count the number of alarms or excursions during a given time period. There will be 3 counters for each stream. The existing recorders will be modified from a 0-100 linear readout to a 0.1 to 100 three decade log readout. Most readings should fall in the middle third of the chart (0.1 to 1 - 1 to 10 - 10 to 100).

Presently, area monitoring results in the five PVC plants are being reported weekly to Cleveland (Carol Sekerak). Values are reported by building and by floor within the building as 1) average of all readings during time period, and 2) % readings > 5 ppm.

Around April 1 or as soon as the counters are in operation, the present area monitoring report format will change. Averages will no longer be reported; only the number of excursions or alarms. Plants not having counters should consider using them.

NGC 13408

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Attached is a proposed report format for your review and comments. Is a weekly analysis too frequent? Would once every two weeks or once a month be better? In order to comply with the standard, we must include the type of equipment - GC, THA, etc. Each stream or sample point is identified by floor and general location on the floor.

Please review this concept with the appropriate people within your plant and let me know by phone if you anticipate any problems in implementing this program.

J. A. Klupar
J.A. Klupar

JAK:cj

Attachment

cc: E.W. Harrington-T.R. Linak
R.L. Toole
R.N. Rylands-M.D. Rider
R.M. Kreager
C.L. Woods-B.W. Holdman
C.B. Cooper
P.H. Lawrence-J.D. Fannin
A.R. Webber
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G.E. Thompson-M. Lukity-J. Jones

NGC 13409

B.F.GOODRICH CHEMICAL COMPANY
 AREA MONITORING FOR VCM
 NUMBER OF EXCURSIONS

Plant Avon Lake
 Period 4/5/76-4/12/76

<u>S T R E A M</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>TOTAL</u>
<u>Bldg. 451-GC-60s/pt</u>	<u>3NW</u>	<u>3NE</u>	<u>3C</u>	<u>2N</u>	<u>2S</u>	<u>1C</u>	<u>1440</u>
> 1 ppm	5	10	-	6	90	-	111
> 5 ppm	2	1	-	6	2	-	
> 100 ppm	1	1	-	6	2	-	

<u>Bldg. 461-THA-180s/pt</u>	3N	3S	2SW	2NE	2E	2W
> 1 ppm						
> 5 ppm						
> 100 ppm						

<u>Bldg. 463-GC-90s/pt</u>
> 1 ppm
> 5 ppm
> 100 ppm

E X A M P L E

<u>Bldg. 464-THA-30s/pt</u>
> 1 ppm
> 5 ppm
> 100 ppm