



UNION CARBIDE CORPORATION

P. O. BOX 8004, SOUTH CHARLESTON, W. VA. 25303

Silicones and Urethane Intermediates
South Charleston Plant

September 15, 1981

Mr. Andrew J. Kolarsky
U. S. Environmental Protection Agency
Region III, Wheeling Field Office
303 Methodist Building
Wheeling, West Virginia 26003

Dear Mr. Kolarsky:

Subject: EPA Vinyl Chloride Regulations
Semi-Annual Report

Reference: Section 61.70

Attached is the information required by Section 61.70 of the vinyl chloride regulations.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'J. L. Worstell'.

J. L. Worstell
Environmental Protection
Coordinator

JRS:co

Attachment

cc: Mr. C. G. Beard, II - WVAPCC
Mr. P. W. Schaul - EPA
Mr. J. R. Soice - UCC

UCC 104401

VINYL CHLORIDE CONCENTRATION

IN VENTS: 61.70 (c) (1), 61.64, 61.65

There are no vents to the atmosphere. All venting is routed to the Island Powerhouse for incineration.

Two accidental releases of vinyl chloride, each less than five pounds, were reported to the Superfund Hotline, Washington, D. C.

Control Device (incineration, Island Powerhouse): The continuous monitor results show that the vinyl chloride concentration in the vent from the control device was well below the 10 ppm limit throughout the six-month reporting period.

UCC 104402

RESIDUAL VINYL CHLORIDE IN STRIPPED RESIN: §61.70(c)(2)

<u>Period</u> <u>1981</u>	<u>Produced</u>	<u>Average Vinyl Chloride</u> <u>Concentration Leaving Stripper,</u> <u>Dry Resin Basis, ppm</u>
March 1 May 20	No Production	-
May 21 August 17	Resin C	16
August 18 August 27	No Production	-
August 28 August 31	Resin B	36

24-HOUR AVERAGE VCM CONCENTRATION IN STRIPPED RESIN, PPM
NATIONAL EMISSION STANDARD FOR VINYL CHLORIDE - §61.70(2)(v)

1981

<u>Date</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>
1	NP	NP	NP	18	3	11
2				NP	7	11
3				40	NP	18
4				28		11
5				38		8
6				21		10
7				20		9
8				17		8
9				20		8
10				20		9
11				NP		8
12				NP		8
13				33		11
14				16		7
15				16		7
16				16		8
17				21		7
18				27		NP
19				21		
20			NP	14		
21			18	15		
22			16	14		
23			117	NP		
24			14	30		
25			22	NP		
26			16	12		
27			NP	14		NP
28			NP	8		44
29			18	4	NP	16
30		NP	38	4	4	68
31	NP		28		4	21

NP = No Production

UCC 104404

DISTRIBUTION

BC: R. N. Bates
~~G. E. Daines~~
R. L. Foster
B. N. Gliatta
M. E. Griffith/T. G. Triplett
~~R. T. Kramer~~
~~G. M. Robertson~~/W. H. Kerner
H. L. Wise/R. E. Jarrett
~~R. N. Wheeler~~

Note: Resin B is VMCA
Resin C is VROH

UCC 104405