

SUMMARY

VINYL CHLORIDE EMISSION DATA SUBMITTED TO WVAPCC

<u>Type Document</u>	<u>Subject</u>	<u>Date</u>	<u>Emission Rate, Lb/Hr.</u>	
1. Letter, J. L. Worstell to C. G. Beard, II	Atmospheric Emissions Inventory	12/19/75	65	
2. Letter, A. R. Ryrholm to C. G. Beard, II	Response to Appendix IV, WV CAG Report "Unregulated Air Pollutants"	2/6/76	65	
3. Letter, A. R. Ryrholm to C. G. Beard, II	Vinyl Chloride Emissions from South Charleston Plant	4/26/76	240 (1967)	
			260 (1968)	
			250 (1969)	
			260 (1970)	
			270 (1971)	
			235 (1972)	
			265 (1973)	
			180 (1974)	
The history of emissions was concluded with the statement:			76 (1975)	
"Emissions by the end of 1976 will have been reduced to approximately three (3) pounds per hour."			65 (1976)	
4. Cover Letter/Initial, Source Report	EPA Vinyl Chloride Regulations	11/21/76	Approx. 30 ("After Dispersion shutdown")	
5. Cover letter/registration forms, J. L. Worstell to C. G. Beard, II	1976 Process/Emission Data	7/25/77	<u>Actual</u>	
			1 (8e)	(0.13)
			1 (9e)	(0.13)
			1 (10e)	(0.13)
			1 (13e)	(0.10)
			1 (14e)	(0.04)
			1 (19e)	(0.20)
			0.75 (23e)	(0.01)
			SVR #1 System	
			9016 Storage Tank - 0.25 (11e) (0.43*)	

(ne) = Process emission point

* = Rate does not account for periods when no venting occurs ∴ rate is high.

UCC 102109

VINYL CHLORIDE EMISSION DATA SUBMITTED TO WVAPCC (Cont.)

<u>Typ</u>	<u>Document</u>	<u>Subject</u>	<u>Date</u>	<u>Emission Rate, Lb/Hr.</u>
6.	Semi-annual Report	EPA Vinyl Chloride Regulations	12/16/77	Approx. 0.2 - Tk. 9016 Ref. Vent

Residual vinyl chloride in stripped resin: $\frac{6.13 \text{ MMLbs. Product} \times 418 \text{ ppm Lb. Dry Solids}}{243 \text{ days} \times 24 \text{ hrs/day}} =$

0.46 Lb/Hr. (air, land, water)

(Reactor opening loss 0.38 lb VCM; 2×10^{-4} lb/hr.)

7.	Semi-annual Report	EPA Vinyl Chloride Regulations	3/6/78	Approx. 0.2 - Tk. 9016 Ref. Vent
----	--------------------	--------------------------------	--------	-------------------------------------

Residual VCM in stripped resin: $\frac{6.47 \text{ MMLbs. Prod.} \times 232 \text{ ppm VCM/lb. Prod.}}{181 \text{ days} \times 24 \text{ hrs/day}} =$

0.35 lb/hr. (air, land, water)

(Reactor opening loss 6.73 lb. VCM; 1.5×10^{-3} lb/hr.)

WCY
12/20/78

UCC 102110