

Ones which are a
Problem

Rich Kruszynski 7/8/75

Data	RVCM, ppm	AVCM	From model If 8.5 RVCM AVCM calc
Johnson Plastics			
Mixer operator	< 1	0.4	> 3.4
Mixer operator helper	< 1	0.06	> 0.5
Extruder operator feeder	< 1	0.1	> 0.9
Andersen Window			
forman opening rail car	0.55	0.46	7.1
mixer operator	0.55	0.23	3.6
Cooley Inc.			
Materials handler	< 1	0.06	> 0.5
Hopper feeder	< 1	0.12	> 1.0
Extruder forman	< 1	0.31	> 2.6
Extruder operator	< 1	0.2	> 1.7

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ANNEXA

O'Mara, Crider, Bowles, Tomanek

Aug 25, 1975

A Physical Model for the Diffusion of Vinyl Chloride Monomer From PVC Under Various Conditions of Storage.

VCM must be evenly distributed in the building; fans were added in the experiments.

Model good only on suspension PVC.

Assumed 0.6 air turnovers/hr.

Where porosity is 0.2:

$$AVCM = (1.97 \times 10^{-7}) (\text{Temp})^{2.96} (\text{Ventilation})^{1.19} (\text{Loading})^{1.82} (\text{RVCM})^{1.2} (\text{time})^{3.3} - 0.66 \ln \text{time}$$

for $5 < \text{time} < 170$ hours

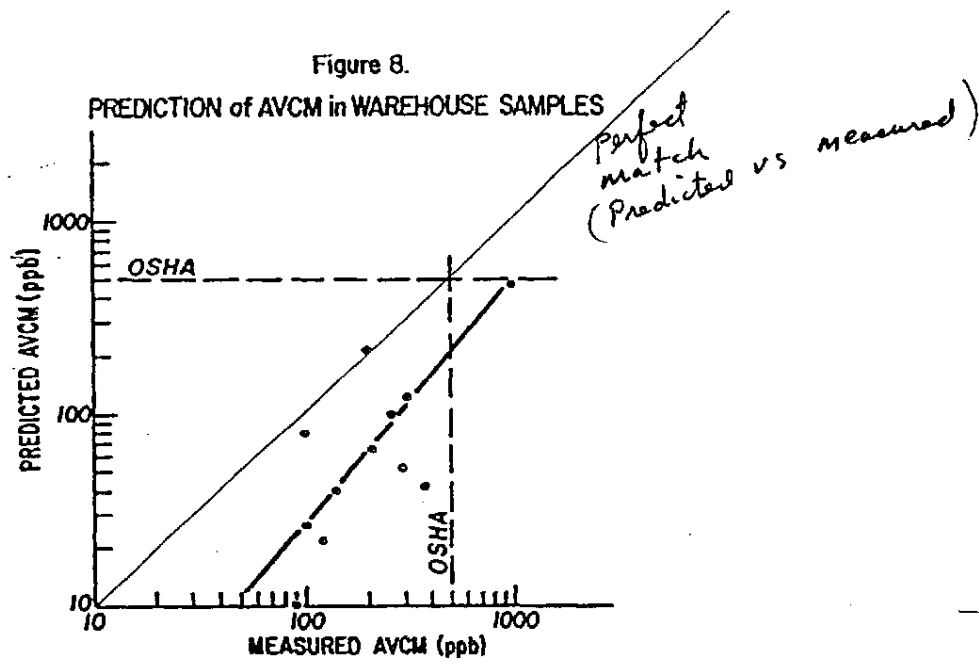
$$AVCM = (0.553) (\text{Ventilation})^{1.19} (\text{Loading})^{1.82} (\text{RVCM})^{1.2} (\text{time})^{-0.382}$$

for $\text{time} > 170$ hours

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+19.0



Measured Samples are higher than predicted.

Rich Kruszynski, 3/27/75

Data	RVCM, ppm	AVCM	From model If 8.5 RVCM AVCM calc
Geon 103, unheated truck, page 2.	0.49	0.78	23.9
Geon 92, unheated truck, page 2.	1.07	0.82	9.9
Geon 121, 100 F heated trailer, p 3	0.3	1.3	71.9 —
Geon 121, 100 F heated trailer, p 6	0.13	0.75	113.1
	0.13	0.43	64.9
	0.13	0.4	60.3

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Dan Gleghorn to Herm Waltemate

May 18, 1992

Job	location	Samples	Date	AVCM
Pipefitter	Louisville	11	3/90	0.93 $\pm$ 2.0
Operations specialist/ technician - compound	Plaquemine	3	10-11/91	0.92 $\pm$ 1.0
PVC prod.-silo operator	Henry	10	2-12/89	0.26 $\pm$ 0.3
PVC production operator	Henry	4	2-12/89	0.49 $\pm$ 0.3

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