

3PP

AR226-3471

RECYCLED

000716

75

AR 226 - 3471

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03/21/2000 05:09 PM

To: Gerald L Kennedy/AE/DuPont@DuPont, Stephen H Korzeniowski/DuPont@DuPont
cc: [REDACTED]

Subject: CW blood monitoring C-8 & total F

Gerry & Steve, below is the summary of the CW and 3M Employee blood data. CW 1999 data similar to 1979 & Wilmington Controls.

1979 CW workers were from "fluorochemical/ fluorosurfactant operations from Jackson & Tech Labs & small and full scale manufacturing operations. A review of the medical records of 200 potentially exposed employees did not suggest any adverse health effects attributable to exposure to fluorochemicals. Group of 55 sampled was representative of 199 cohort." Reported as organic fluorine.

1981, July -August, CW workers from Polymer Products employees using 3M [REDACTED] (C-8) which had moved to CW. Samples taken to reevaluate exposure controls for [REDACTED] after 3-M announced preliminary results of birth defects when FC-143 was fed to pregnant rats. [REDACTED] analyzed by GC, reported as ppm Fluorine.

1999 CW workers in fluorochemical area, baseline before new project. 1999 total fluorine analysis detection level higher, 0.2 ppm, C-8 as 0.01 ppm detection level by GC/EC.

I can put this into Excel if you prefer.

Sue

EMPLOYEE BLOOD SAMPLES

	<u>1979 DATA Organic fluorine</u> <u>ppm*</u>	<u>1981 DATA</u> <u>ppm</u>	<u>1999 DATA</u> <u>ppm</u> <u>ppm</u>	
C-8 total GROUP (sample size) Fluorine	Organic Fluorine, (Median value)	C-8 as F, (mean)	as F, (mean)	(mean)
<u>3M DATA</u>				
General population (106)	0.002 - 0.3 (0.02)			
plant office workers	0.01 - 0.06			
plant worker - general	0.13 - 1.18			
plant worker - long service in F/C area				
Newer plant	0.09 - 9.1			
Older plant	5.9 - 71			

Company Sanitized. Does not contain TSCA CBI

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DUPONT DATA

Wilmington Control group (25)

0 - 0.38***
(0.094)***

***except two Wilm. Controls 10.6 & 0.78 ppm

Chambers Works group (55)

0 - 0.37**
(0.15**)

0 - 0.37
(median or mean)
(0.21)

** except one value 0.89 ppm

0 - 0.25

0 - 0.061

(0.049)

(0.018)

33 samples

42 samples

0.01

0.01

0.2

Detection level

000718