

AR226-1598

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September 1, 1981

To: R. N. Knowles
C&P, Chambers Works

From: K. L. Seligman, Mgr. *K. L. Seligman*
PPD, Chambers Works

COMMUNICATION TO EMPLOYEES:
REPORTING FC-143 IN BLOOD RESULTS

The biological monitoring program for FC-143 (ammonium perfluorooctanoate) has concluded. Twenty-nine individuals contributed 33 samples. Results are reported as parts per million FC-143 as fluorine in blood. Results are summarized in the attached table. Employees were promised prompt notification of program results. A notification procedure has been prepared as follows:

1. An employee communication will be made to all PPD Fluoroelastomers Operations personnel, Mechanical personnel in 745D Building (VITON®) and 1163 Building (FMDL), Laboratory personnel and appropriate members of manufacturing and technical supervision. Refer to proposed communication attached.
2. The prepared communication is general in nature. No specific results will be transmitted. The communication will be read to each work group by line supervision. Attendance will be taken.
3. A supplementary question and answer information sheet has been prepared for supervision. This will provide supervision with background information to help answer questions from employees.
4. Employees participating in the blood test program will be individually informed of their own blood test results on a personal and confidential basis from Plant Medical by sealed envelope. A brief explanatory letter will accompany the results. They will be furnished a medical consultation to explain individual results on a request basis.

EID110659

BLD000180

This communication will be made to:

Area Supervision, Tuesday, Sept. 8

11:00 a.m.

Area Union Representative, Wednesday, Sept. 9

8:00 a.m.

Area Personnel, Wednesday, Sept. 9

1:00 p.m.

m

EID110660

BLD000181

VERBAL COMMUNICATION TO POLYMER PRODUCTS CHAMBERS WORKS EMPLOYEES

In March, 1981, 3-M Company announced preliminary results indicating that fluorosurfactant FC-143 caused birth defects when fed to pregnant rats in laboratory tests. The significance, if any, of the animal experiment as it may relate to employee exposure is not known.

FC-143 is used in the Polymer Products Area on Chambers Works. Following 3-M's announcement, PPD Area reevaluated our methods for controlling exposure to FC-143. In July, 1981 testing for FC-143 in blood was started as an additional precaution. This communication is intended to notify Polymer Products employees of the recent blood testing results.

Thirty-three samples were taken from 29 individuals including operators, operating supervisors, laboratory technicians, a mechanic and a technical employee. The results ranged from zero to 0.25 parts per million FC-143 as fluorine in blood with an average of 0.049 parts per million. These levels of FC-143 in blood do not pose a significant health risk to our people. No adverse health effects have been identified in workers at other sites with FC-143 concentrations higher than those found at Chambers Works. Employees who participated in the blood testing program will obtain their own results from Dr. Oharriz at Plant Medical.

The FC-143 control program is working effectively. Extensive workplace air monitoring indicates that FC-143 was very much below the provisional exposure limit of 0.56 parts per billion in air. The needs for further blood sampling and for exclusion of females of childbearing capability from areas using FC-143 are being reconsidered at this time. Personnel should continue to follow existing operating procedures and established personal and industrial hygiene practices.

m

EID110661

BLD000182

000131

is DTR

MAX Datatrieve V3.3

SEC Query and Report System

Type HELP for help

DTR> READY EXPOSURE

DTR> FIND EXPOSURE WITH CAS-REGISTRY EQ "003825261" AND SAMPLE-LOCATION CONT "1155"

[15 records found]

DTR> PRINT ALL SHEET-NUMBER. SAMPLE-DATE-DAY. NAME. SAMPLE-LOCATION. CONCENTRATION

SHEET NUMBER	SAMPLE DATE DAY	SAMPLE LOCATION	NAME	C VALUE	C UNITS
004129	6/10/81				
1155			L	0.08	B
004136	6/11/81				
1155			L	0.08	B
004142	6/17/81	Area Sample			
1155			L	0.07	B
004143	6/17/81	Area Sample			
1155				0.93	B
004144	6/17/81				
1155			L	0.07	B
004145	6/17/81				
1155			L	0.07	B
004182	7/09/81				
1155			L	0.07	B
004183	7/09/81	Area Sample			
1155			L	0.07	B
004184	7/09/81				
1155			L	0.07	B
004185	7/09/81	Area Sample			
1155			L	0.07	B
✓ 006419	10/09/86				
1155 BLDG. R&D LAB			L	0.01	B
006420	10/21/86				
1155 BLDG. R&D LAB.				0.03	B
006444	10/29/86				
1155 BLDG.			L	0.01	B
006471	11/20/86				
1155 BLDG.			L	0.01	B
006472	11/20/86				
1155 BLDG.			L	0.01	B

12 personal
samples in
1155 Bldg
(sol'n prep.)
All < 0.08 ppb

BLD000183

DTR> FIND EXPOSURE WITH CAS-REGISTRY EQ "003825261" AND SAMPLE-LOCATION CONT "1163"

[52 records found]

DTR> PRINT ALL SHEET-NUMBER. SAMPLE-DATE-DAY. NAME. SAMPLE-LOCATION. CONCENTRATION

SHEET NUMBER	SAMPLE DATE DAY	SAMPLE LOCATION	NAME	C VALUE	C UNITS
004128	6/10/81	Unknown			
1163			L	0.08	B
✓ 004137	6/11/81				
1163				0.14	B
✓ 004140	6/17/81				
1163			L	0.07	B
004141	6/17/81				

45 personal
samples in 1163
Bldg.

EID110662

000132

1163		L	0.07	B
004147	6/17/81			
1163		L	0.07	B
004148	6/18/81			
1163		L	0.07	B
* 004149	6/18/81			
1163		L	0.07	B
✓ 004153	6/21/81			
1163		L	0.07	B
004154	6/21/81			
1163		L	0.07	B
004155	6/21/81			
1163		L	0.07	B
004156	6/21/81			
1163		L	0.07	B
004157	6/21/81			
1163		L	0.07	B
004158	6/21/81			
1163		L	0.07	B
✓ 004159	6/20/81			
1163		L	0.07	B
004160	6/20/81			
1163		L	0.07	B
004161	6/20/81			
1163		L	0.07	B
004162	6/20/81			
1163		L	0.07	B
004163	6/23/81			
1163		L	0.07	B
004164	6/24/81			
1163		L	0.07	B
004169	6/22/81			
1163		L	0.07	B
004170	6/24/81			
1163		L	0.07	B
004171	6/25/81			
1163		L	0.07	B
004175	6/25/81			
1163		L	0.07	B
004176	6/26/81			
1163		L	0.07	B
004177	6/26/81			
1163		L	0.07	B
004179	6/26/81 Area Sample			
1163		L	0.07	B
004180	6/25/81 Area Sample			
1163			0.29	B
004181	6/30/81 Area Sample			
1163			0.12	B
004186	7/10/81 Area Sample			
1163			0.55	B
004187	7/10/81			
1163		L	0.07	B
004189	7/14/81			
1163		L	0.07	B
004190	7/15/81			
1163		L	0.07	B
004191	7/16/81 Area Sample			
1163			0.08	B
004192	7/16/81			
1163		L	0.07	B
004228	8/13/81 Area Sample			
1163			0.24	B
004326	12/21/81			

000133

EID110663

BLD000184

004327 12/21/81
 1163
 004328 12/22/81
 1163
 004329 12/22/81
 1163
 004331 12/16/81
 1163
 004332 12/16/81
 1163
 006018 7/02/85
 FMDL - 1163 BLDG
 * 006019 7/02/85
 FMDL - 1163 BLDG
 006020 7/02/85
 FMDL - 1163 BLDG
 006021 7/03/85
 FMDL - 1163 BLDG
 006022 7/03/85
 FMDL - 1163 BLDG
 006023 7/11/85
 FMDL - 1163 BLDG
 006024 7/11/85
 FMDL - 1163 BLDG
 * 006025 7/16/85
 FMDL - 1163 BLDG
 006027 7/17/85 I
 FMDL - 1163 BLDG
 006028 7/17/85 I
 FMDL - 1163 BLDG.

	0.12	B
	0.12	B
L	0.10	B
L	0.10	B
L	0.10	B
	0.09	B
	0.06	B
	0.08	B
	0.03	B
	0.04	B
	0.04	B
	0.04	B
	0.08	B
	0.02	B
	0.04	B

DTR> EXIT

EID110664

BLD000185