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DuPont Haskell Global Centers
for Health and Environmental Sciences
1090 Elkton Road, P.O. Box 50
Newark, DE 19714-0050

July 1, 2010

Via Federal Express

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Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency, ICC Building
1201 Constitution Ave., NW
Washington, DC 20004

8EHQ-0710-17347C

Dear 8(e) Coordinator:



Re: 8EHQ-08-17347
Perfluorooctanoate Anion (PFOA)
Occupational Serum Sampling
DuPont Chemicals & Fluoroproducts
Shimizu Facility, Japan

Please find attached occupational PFOA serum sampling results for workers at the above referenced DuPont site for samples collected in March 2010. The levels of PFOA reported with this submission are generally corroborative of previously reported levels in an occupational setting. This information is provided to the TSCA 8(e) office in view of the Agency's continued interest in perfluorinated substances and as a precautionary measure.

Sincerely,

A. Michael Kaplan, Ph.D.
Director – Regulatory Affairs

DCN: 89100000270



AMK/JLC: clp
(302) 366-5260

Attachment (5 pages)

CONTAINS NO CBI

DuPont Company
Shimizu Works
Shimizu, Japan
Perfluorooctanoate Anion (PFOA) Results - All Groups

May 2010 Campaign Exposure Group Summaries						
	No. of Samples	Average (ppb)	Median (ppb)	Max (ppb)	Min (ppb)	Std Dev (ppb)
P - Group	14	2474	2060	6745	69	1805
M - Group	4	1652	1633	2375	967	606
L - Group	1	398	398	398	398	N/A
O - Group	5	855	822	1840	111	659

P = Production, M = Maintenance, L = Laboratorian, O = Other (administration, technology personnel, or outside exposure groups)

Sample ID Number	Current Exposure Group	¹ Results for Samples Collected Sept 2008	² Results for Samples Collected Sept 2008	Results for Samples Collected July 2009	³ Results for Samples Collected July 2009	Results for Samples Collected March 2010
1	O	3,320	2380	2,180	2120	1840
3	P	3,600	2300	2,100	2480	3190
4	L	519	430			398
5	M	3,905	2680	2,380	2360	2375
6	P	8,370	4830	4,640	4415	6745
7	M	2,490	1910	1,430	1635	1400
8	P	3,500	2440	1,460	1670	1330
9	P	87	69			69
10	P	5,040	3120	2,880	2640	3360
11	P	4,960	3385	2,920	2410	2750
12	O	1,240	981			822
13	O	771	629			440
14	O	175	148			111
15	O	1,600	1080			1060
17	M					1865
18	M					967
19	P					1640
20	P					2190
21	P					5480
22	P					1930
23	P					1075
24	P					751
25	P					2430
26	P					1700

1. Sept. 2008 plasma samples analyzed by DuPont Haskell Global Centers for Health & Environmental Sciences

2. Sept. 2008 plasma samples were re-analyzed by Axys Analytical Services, BC, Canada, in Oct. 2009

3. July 2009 serum samples were re-analyzed by Axys Analytical Services, BC, Canada in Oct. 2009

* Re-analysis of samples conducted to verify results

* Results rounded to nearest whole number

* Results expressed as ppb

* LOQ for AXYS analyses = 0.5 ppb; LOQ for Haskell Plasma = 1 ppb

DuPont Company
Shimizu Works
Shimizu, Japan
Perfluorooctanoate Anion (PFOA) Results - Production Group

Sample ID Number	Exposure Group	¹ Results for Samples Collected Sept 2008	² Results for Samples Collected Sept 2008	Results for Samples Collected July 2009	³ Results for Samples Collected July 2009	Results for Samples Collected March 2010
3	P	3,600	2300	2,100	2480	3190
6	P	8,370	4830	4,640	4415	6745
8	P	3,500	2440	1,460	1670	1330
9	P	87	69			69
10	P	5,040	3120	2,880	2640	3360
11	P	4,960	3385	2,920	2410	2750
19	P					1640
20	P					2190
21	P					5480
22	P					1930
23	P					1075
24	P					751
25	P					2430
26	P					1700
Number of Samples		6	6	5	5	14
Average (ppb)		4260	2691	2800	2723	2474
Median (ppb)		4280	2780	2880	2480	2060
Max (ppb)		8370	4830	4640	4415	6745
Min (ppb)		87	69	1460	1670	69
Std Dev (ppb)		2699	1571	1193	1017	1805

1. Sept. 2008 plasma samples analyzed by DuPont Haskell Global Centers for Health & Environmental Sciences
2. Sept. 2008 plasma samples were re-analyzed by Axys Analytical Services, BC, Canada, in Oct. 2009
3. July 2009 serum samples were re-analyzed by Axys Analytical Services, BC, Canada in Oct. 2009

* Re-analysis of samples conducted to verify results

* Results rounded to nearest whole number

* Results expressed as ppb

* LOQ for AXYS analyses = 0.5 ppb; LOQ for Haskell Plasma = 1 ppb

DuPont Company
Shimizu Works
Shimizu Japan
Perfluorooctanoate Anion (PFOA) Results - Maintenance Group

Sample ID Number	Exposure Group	¹ Results for Samples Collected Sept 2008	² Results for Samples Collected Sept 2008	Results for Samples Collected July 2009	³ Results for Samples Collected July 2009	Results for Samples Collected March 2010
5	M	3,905	2680	2,380	2360	2375
7	M	2,490	1910	1,430	1635	1400
17	M					1865
18	M					967
Number of Samples		2	2	2	2	4
Average (ppb)		3198	2295	1905	1998	1652
Median (ppb)		3198	2295	1905	1998	1633
Max (ppb)		3905	2680	2380	2360	2375
Min (ppb)		2490	1910	1430	1635	967
Std Dev (ppb)		1001	544	672	513	606

1. Sept. 2008 plasma samples analyzed by DuPont Haskell Global Centers for Health & Environmental Sciences
2. Sept. 2008 plasma samples were re-analyzed by Axys Analytical Services, BC, Canada, in Oct. 2009
3. July 2009 serum samples were re-analyzed by Axys Analytical Services, BC, Canada in Oct. 2009

* Re-analysis of samples conducted to verify results

* Results rounded to nearest whole number

* Results expressed as ppb

* LOQ for AXYS analyses = 0.5 ppb; LOQ for Haskell Plasma = 1 ppb

DuPont Company
Shimizu Works
Shimizu, Japan
Perfluorooctanoate Anion (PFOA) Results - Laboratorian Group

Sample ID Number	Exposure Group	¹ Results for Samples Collected Sept 2008	² Results for Samples Collected Sept 2008	Results for Samples Collected July 2009	³ Results for Samples Collected July 2009	Results for Samples Collected March 2010
4	L	519	430			398

1. Sept. 2008 plasma samples analyzed by DuPont Haskell Global Centers for Health & Environmental Sciences
2. Sept. 2008 plasma samples were re-analyzed by Axys Analytical Services, BC, Canada, in Oct. 2009
3. July 2009 serum samples were re-analyzed by Axys Analytical Services, BC, Canada in Oct. 2009

* Re-analysis of samples conducted to verify results

* Results rounded to nearest whole number

* Results expressed as ppb

* LOQ for AXYS analyses = 0.5 ppb; LOQ for Haskell Plasma = 1 ppb

DuPont Company
Shimizu Works
Shimizu, Japan
Perfluorooctanoate Anion (PFOA) Results - Other Group

Sample ID Number	Exposure Group	¹ Results for Samples Collected Sept 2008	² Results for Samples Collected Sept 2008	Results for Samples Collected July 2009	³ Results for Samples Collected July 2009	Results for Samples Collected March 2010
1	O	3,320	2380	2,180	2120	1840
12	O	1,240	981			822
13	O	771	629			440
14	O	175	148			111
15	O	1,600	1080			1060
Number of Samples		5	5	1	1	5
Average (ppb)		1421	1044	2180	2120	855
Median (ppb)		1240	981	2180	2120	822
Max (ppb)		3320	2380	2180	2120	1840
Min (ppb)		175	148	2180	2120	111
Std Dev (ppb)		1188	831	N/A	N/A	659

1. Sept. 2008 plasma samples analyzed by DuPont Haskell Global Centers for Health & Environmental Sciences

2. Sept. 2008 plasma samples were re-analyzed by Axys Analytical Services, BC, Canada, in Oct. 2009

3. July 2009 serum samples were re-analyzed by Axys Analytical Services, BC, Canada in Oct. 2009

* Re-analysis of samples conducted to verify results

* Results rounded to nearest whole number

* Results expressed as ppb

* LOQ for AXYS analyses = 0.5 ppb; LOQ for Haskell Plasma = 1 ppb

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