

AR 226-3396^{p.1}

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December 10, 2004



Peter D. Robertson
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Mr. Charles M. Auer
Director
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
EPA East
1201 Constitution Avenue, NW
Washington, DC 20460



**Re: Further Dupont Voluntary Response to EPA's November 4, 2004 Request
Submission to AR 226 and TSCA 8(e) Office
Blood Monitoring Information**

Dear Charlie:

The attached document production and information submitted with this letter represents DuPont's continued good faith effort to respond to EPA's November 4, 2004 request for voluntary submission of certain material.

Submission for December 10, 2004

The documents submitted with this letter pertain to the submission requested by December 10, 2004. Specifically, this submission pertains to occupational blood monitoring summary documents and/or reports. A summary of the steps taken to collect the information requested by EPA for this submission, along with the guidelines used to assess responsiveness to the EPA request, is provided on the Attachment 1 to this letter.

A summary of the contents of this submission is provided in Attachment 2 to this letter. There is a public version of the submission and a CBI version of the submission. In addition to a cumulative index for this submission, each individual binder also contains an index for the contents of the binder.

TSCA 8(e) Office Submission

DuPont does not believe that the information submitted with this letter triggers reporting obligations under TSCA section 8(e). However, in the course of discussions with OPPT and the

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Office of Regulatory Enforcement (ORE), it has become clear to DuPont that those two offices are applying standards of reporting under TSCA section 8(e) that DuPont cannot anticipate. Accordingly, DuPont initially informed EPA that DuPont intended to submit this production to both the AR-226 docket and the TSCA 8(e) office, as was done with the submission of November 15, 2004. EPA has, however, informed counsel for DuPont that it is not necessary to make a duplicate, formal submission to the 8(e) office in order to discharge any reporting obligations that EPA might otherwise assert. Instead, EPA has asked that DuPont make only a single submission and advised that DuPont should indicate in this cover letter that the submission is intended for both the AR-226 docket and the TSCA 8(e) office.

As such, DuPont states that the enclosed documents are intended to be a submission to both the AR-226 docket and, as a precaution, to the TSCA 8(e) office, notwithstanding DuPont's firm belief that the information does not trigger reporting obligations under that section of TSCA. This submission should not be construed as a direct or indirect admission that DuPont believes that any of the enclosed information triggers such reporting obligations. We understand that ORE has agreed that DuPont's submission shall not prevent DuPont from asserting, in any proceeding, that section 8(e) did not require submission of this information.

Continued Activity

After EPA has had the opportunity to review this letter and the documents, we are available at your convenience to discuss the documents in further detail to assist in your understanding. In the meantime, we will continue to gather materials for the remaining submissions, review and produce any additional documents that are located and are relevant to the topics that are the subject of this submission, and create the electronic files you requested.

Please contact me directly if you have any questions or need further clarification with respect to this submission.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Peter D. Robertson'.

Peter D. Robertson

Attachments

- Attachment 1
- Attachment 2 – Summary of submission
- Public submission – number of boxes: 1
- CBI submission – number of boxes: 1

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ATTACHMENT 1

The sections below provide a summary of the steps taken to collect and produce the information requested in the particular category indicated. For each category, please note that DuPont does not maintain a comprehensive file of all such information for the entire Company. The documents were collected either from the over one million pages of documents collected for a class action lawsuit in West Virginia or from files of individuals most likely to have documents responsive to EPA's request. Note that the documents collected for purposes of the West Virginia litigation are primarily related to PFOA.

For purposes of this document production, and in the interest of attempting to make this production useful and purposeful to the Agency and to avoid redundancy, DuPont followed the guidelines provided below. Please note, however, that if the Agency wants DuPont to submit the type of information that is indicated below as not being submitted herewith, please notify us and we will provide the requested information.

General Guidelines for December 10 Submission

This submission does not include the following types of documents:

- Draft documents where it is known that a final version exists
- Documents known to be in the possession of EPA (either at headquarters or an EPA Regional Office)
- Non-DuPont documents (includes documents from other companies, plaintiffs' counsel, etc.)
- Presentations and other documents that reference data that is in a report submitted to EPA
- Documents that are subject to attorney-client privilege
- Documents concerning work-in-progress (Note though that DuPont will provide periodic updates to EPA on work-in-progress, per the November 10, 2004 presentation to EPA, and will submit reports on such work to EPA when final)
- Supporting reports (e.g., lab analysis, etc.) for blood monitoring results

Summary of Collection Process for Specific Categories of Requested Information

The documents for this submission were collected from review of the documents produced in the class action litigation, along with collection of documents from individuals in the Company most likely to possess such information.

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In addition, to aid in understanding the information submitted, DuPont summarized the blood data from Washington Works, Fayetteville, and Chambers Works. These summaries are found in Volume 35 as follows:

Tab 28 Chambers Works (non-telomer)
Tab 77 Chambers Works (telomers)
Tab 34 Fayetteville
Tab 64 Washington Works

Finally, Volume 36 is a printout of the Fluoropolymers Laboratory Analysis Information Retrieval (FLAIR) database as from the Washington Works facility. Each page contains the work history and blood monitoring results for an individual employee (the name of the employee has been redacted from each page for privacy purposes). Note that the FLAIR database contains monitoring data through 2003; it does not yet contain the monitoring data collected for 2004. Year 2004 data for Washington Works is provided in Volume 35, Tab 64.

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ATTACHMENT 2

Summary of December 10, 2004 Submission

• **Public Version**

<u>Box no.</u>	<u>Volume</u>	<u>Part no.</u>	<u>Topic</u>
1	-	-	Cumulative index
1	35	-	Blood Monitoring
1	36	-	Fluoropolymers Laboratory Analysis Information Retrieval (FLAIR) database

• **Confidential Version**

<u>Box no.</u>	<u>Volume</u>	<u>Part no.</u>	<u>Topic</u>
1	-	-	Cumulative index
1	35	-	Blood Monitoring
1	36	-	Fluoropolymers Laboratory Analysis Information Retrieval (FLAIR) database [note that this binder does not contain TSCA CBI, but employee names have been redacted for privacy purposes]

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Blood Monitoring

Volume 35

December 10, 2004
EPA PRODUCTION

Company Sanitized – Does Not Contain
TSCA CBI

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COMPANY SANITIZED

Company Sanitized - Contains No TSCA CBI

Volume 35 Blood Monitoring

INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME or CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-001 3397	19811109	Blood - Determination of Perfluorooctanoic Acid, Gas Chromatographic Method	B 465.5000	Perfluorooctanoic Acid	no further information identified	335-67-1	Method	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-001 3397	19811109	Blood - Determination of Perfluorooctanoic Acid, Gas Chromatographic Method	B 465.5000	C-8	no further information identified	3825-26-1	Method	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-002 3398	19980716	Analysis of C-8 in blood, status of interlab comparison	no further information identified	C-8	no further information identified	3825-26-1	Method	no further information identified	no further information identified	Dordrecht Works	Analytical Methods - PFOA in Blood
035-003 3399	20010129	Trip Report Reviewing National Medical Services Method	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-004 3400	20011109	National Medical Services (GC-ECD) PFOA Method Change Proposal	no further information identified	PFOA	no further information identified	335-67-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-005 3401	20011122	Draft European GC/MS Method	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Method	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-006 3402	20020129	Trip Report Reviewing National Medical Services Method	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-007 3403	20020604	Advison Site Manual for Sample Preparation and Submission	DUPONTISM.DOC	PFOA	no further information identified	335-67-1	Manual	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-008 3404	20020712	Advison Method Validation Report: Method Validation for the Quantitation of Ammonium Perfluorooctanoate Anion (PFOA, 0.05 to 10 micrograms/milliliter Concentration Range), in Human Serum by Turbo Ion Spray LC/MS/MS	02120VDJA_DU.D OC	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-008 3404	20020712	Advison Method Validation Report: Method Validation for the Quantitation of Ammonium Perfluorooctanoate Anion (PFOA, 0.05 to 10 micrograms/milliliter Concentration Range), in Human Serum by Turbo Ion Spray LC/MS/MS	02120VDJA_DU.D OC	Perfluorooctanoate Anion	no further information identified	335-67-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood

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Volume 35 Blood Monitoring

Company Sanitized - Contains No TSCA CBI

INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME or CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-009 3405	20030131	Advon: Bioanalytical Method Validation for the Quantitation of Perfluorooctanoic Acid in Human Serum	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Abstract	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-010 3406	20030930	Advon: Quantitative Determination of Ammonium Perfluorooctanoate (APFO), Measured as the Perfluorooctanoate Anion (PFOA), in Human Serum from Study DW04 Using Turbo Ion Spray LC/MS/MS	02331ADJA_DU.D OC	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-010 3406	20030930	Advon: Quantitative Determination of Ammonium Perfluorooctanoate (APFO), Measured as the Perfluorooctanoate Anion (PFOA), in Human Serum from Study DW04 Using Turbo Ion Spray LC/MS/MS	02331ADJA_DU.D OC	Perfluorooctanoic Acid Anion	no further information identified	335-67-1	Report	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-011 3407	20040108	Exygen: Method of Analysis for the Determination of Perfluorooctanoic Acid (PFOA) in Serum by LC/MS/MS - Revision 2	EXM-008-276 Revision 2	Perfluorooctanoic Acid	no further information identified	335-67-1	Method	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-012 3408	undated	Validation of Determination of Total Fluorine in Blood by Wickbold Torch With Direct Potentiometric Detection	no further information identified	Fluorine	no further information identified	7782-41-4	Method	no further information identified	no further information identified	no further information identified	Analytical Methods - PFOA in Blood
035-013 3409	19790723	Memo from B. C. McKusick to F.E. French, Jr., entitled: "Discussion of Fluorochemicals with 3M"	no further information identified	perfluorooctanoic Acid	FC-143	3825-26-1	Memorandum	no further information identified	no further information identified	no further information identified	General PFOA in Blood Data
035-014 3410	19790725	Memo from J. W. Raines to R. L. Richards, entitled: "Organic Fluorocompounds in Blood"	no further information identified	Fluorine	no further information identified	7782-41-4	Memorandum	no further information identified	no further information identified	Chambers Works, Washington Works	General PFOA in Blood Data
035-014 3410	19790725	Memo from J. W. Raines to R. L. Richards, entitled: "Organic Fluorocompounds in Blood"	no further information identified	Ammonium Salt of Perfluorooctanoic Acid	FC-143	3825-26-1	Memorandum	no further information identified	no further information identified	Chambers Works, Washington Works	General PFOA in Blood Data

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INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME OF CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-015 3411	19791018	Table: C-8 (FC-143) - Ammonium Perfluorooctanoate Chronological Summary of Reports	no further information identified	Ammonium Perfluorooctanoate	FC-143	3825-26-1	Table	no further information identified	no further information identified	Chambers Works, Washington Works	General PFOA in Blood Data
035-016 3412	19800228	Table: F&F Department FC-143 Data February, 1980	no further information identified	Ammonium Perfluorooctanoate	FC-143	3825-26-1	Table	no further information identified	no further information identified	Fairfield, Marshall Lab, Philadelphia PE, Philadelphia Plant, Toledo	General PFOA in Blood Data
035-017 3413	19800303	Table: Summary Organic Fluorides in Blood Samples	no further information identified	Organic Fluorides	no further information identified	no further information identified	Table	no further information identified	no further information identified	Chambers Works, Experimental Station, Finishes Plants, Spruance, Washington Works, Wilmington	General PFOA in Blood Data
035-018 3414	19810514	Table: C-8 Level Locations Other than Washington Works	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Cirleville, Chestnut Run, Fairfield, Haskell, Spruance, Toledo, Wilmington	General PFOA in Blood Data
035-019 3415	19820825	Correspondence from Timothy P. Pastoor to J. G. Loschiavo entitled "Ammonium Perfluorooctanoate (C-8) in Human Blood"	no further information identified	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Correspondence	no further information identified	no further information identified	no further information identified	General PFOA in Blood Data
035-020 3416	undated	Additional Information for Supervision	no further information identified	Fluorine	no further information identified	7782-41-4	Correspondence	no further information identified	no further information identified	Chambers Works	General PFOA in Blood Data
035-021 3417	undated	Table: Employee Blood Data (1979, 1981, 1999)	no further information identified	Fluorine	no further information identified	7782-41-4	Table	no further information identified	no further information identified	Chambers Works, Wilmington	General PFOA in Blood Data
035-021 3417	undated	Table: Employee Blood Data (1979, 1981, 1999)	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Chambers Works, Wilmington	General PFOA in Blood Data
035-022 3418	19810827	Table: Analytical Results: FC-143 in Blood Polymer Products - Chambers Works	no further information identified	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data
035-023 3419	19990923	Memo from Robin C. Leonard to Barbara Dawson entitled "C-8 Surveillance"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data
035-024 3420	20001019	E-mail from Barbara J. Dawson to multiple people entitled "C8 Follow-up Medical Surveillance"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data

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INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME OF CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-025 3421	20001019	E-Mail from Barbara J. Dawson to multiple people entitled "C8 Medical Surveillance - Draft Letter to Participants"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data
035-026 3422	20010119	E-Mail from Barbara J. Dawson to Robin C. Leonard entitled "NMS Results"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data
035-027 3423	20041120	Summaries of Chambers Works PFOA in Blood	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Table	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data
035-028 3424	undated	Proposal for Feasibility Assessment entitled "Estimating Exposure, Biopersistence, and Potential Liver Effects from Workplace Exposures to Organofluorines: A determination of the feasibility of appropriate analyses of historical surveillance data",	no further information identified	C-8	no further information identified	3825-26-1	Proposal	no further information identified	no further information identified	Chambers Works	PFOA in Blood Data
035-029 3425	19811020	Table: DuPont de Nemours (Nederland) B.V. Dordrecht Works	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Dordrecht Works	PFOA in Blood Data
035-030 3426	19970200	Two pages extracted from C-8 PACE Team Meeting Notes with blood data from the Dordrecht Works	no further information identified	C-8	no further information identified	3825-26-1	Graph	no further information identified	no further information identified	Dordrecht Works	PFOA in Blood Data
035-031 3427	undated	C-8 in Blood Monitoring Results in FLPR Dordrecht	no further information identified	C-8	no further information identified	3825-26-1	Report	no further information identified	no further information identified	Dordrecht Works	PFOA in Blood Data
035-032 3428	19821101	Memo from S. R. Laas to J. D. De Laurentis, M.D. entitled "Analysis of Blood Samples for Perfluorooctanoate"	no further information identified	Perfluorooctanoate	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Experimental Station	PFOA in Blood Data
035-033 3429	20031215	Exposure Assessment Protocol entitled "Exposure Assessment of Measured Serum Perfluorinated Octanoic Acid Anion in the Manufacture of Ammonium Perfluorooctanoate (APFO) at Fayetteville, NC"	15076	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Study	no further information identified	no further information identified	Fayetteville Works	PFOA in Blood Data
035-034 3430	20041119	Summaries of Fayetteville Works PFOA in Blood Data	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Table	no further information identified	no further information identified	Fayetteville Works	PFOA in Blood Data

INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME or CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-032 3431	19800225	Memo from E. R. Purchase to G. L. Watts entitled "FC-143 Surfactant"	no further information identified	Ammonium Perfluorooctanoate	FC-143	3825-26-1	Memorandum	no further information identified	no further information identified	Spruance	PFOA in Blood Data
035-036 3432	undated	Table: Table II GC Precision	no further information identified	Ammonium Perfluorooctanoate	FC-143	3825-26-1	Table	no further information identified	SPR000321	Spruance	PFOA in Blood Data
035-037 3433	19791010	Table: Organic Fluorides in Blood Samples	no further information identified	Organic Fluorides	no further information identified	no further information identified	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-038 3434	19791016	Hand-written table entitled "Organic Fluorides in Blood Samples Complete Results"	no further information identified	Organic Fluorides	no further information identified	no further information identified	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-039 3435	19810514	Table: C-8 Level - Current Washington Works Female Employees	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-040 3436	19811201	Table: C-8 Blood Levels in Females Transferred Out of Teflon	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-041 3437	19820212	Memo from J. F. Doughty to R. D. Ingalls entitled "Work Histories of Females"	no further information identified	Fluorine	no further information identified	7782-41-4	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-042 3438	19820714	Memo from J. G. Loschiavo to R. J. Burger entitled "Trends in Blood C-8 Levels for Various Teflon® Employee Groups"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-043 3439	19820729	Memo from J. G. Loschiavo to R. J. Zipfel entitled "Retention of Ammonium Perfluorooctanoate (C-8) in Blood of Teflon® Employees"	no further information identified	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-044 3440	19820928	Memo from J. G. Loschiavo to R. J. Zipfel entitled "Ammonium Perfluorooctanoate in Blood of Teflon® Employees"	no further information identified	Ammonium Perfluorooctanoate	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-045 3441	19830811	Memo from J. G. Loschiavo to T. M. Kemp entitled "Update on the C-8 Blood Sampling Program"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-046 3442	19831010	Hand-written table with no title	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data

INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME or CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-047 3443	19831019	Tables with C-8 Blood Sample Results by Job	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-048 3444	19831027	Memo from J. G. Loschiavo to J. W. Raines entitled "Washington Works Blood C-8 Levels for Non-Fluoropolymers Division Employees"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-049 3445	19840611	Table entitled "Table 1: Teflon® Fine Powder/Dispersion Operators C-8 Blood Sample Results" hand-dated 6/11/84	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-050 3446	19840614	Memo from J. G. Loschiavo to T. M. Kemp entitled "Update on the C-8 Blood Sampling Program"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-051 3447	19870609	Table entitled "C-8 Trend in Blood"	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-052 3448	19870610	Table entitled "WW C-8 Blood Analyses (Non-Fluorocarbon Exposure)"	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-053 3449	19870806	Hand-drawn graphs Blood C-8 Level Change vs. Time	no further information identified	C-8	no further information identified	3825-26-1	Graph	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-054 3450	19890614	Memo from R. D. Lanyon to H. A. Smith et al entitled "C-8 Blood Data"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-055 3451	19900319	Memo from H. A. Smith to J. G. Loschiavo et al entitled "Review of Washington Works C-8 Data Personnel Air Monitoring and Blood Data"	no further information identified	C-8	no further information identified	3825-26-1	Memorandum	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-056 3452	19900400	Report entitled "Review of Washington Works C-8 Data Personnel Air Monitoring and Blood"	no further information identified	C-8	no further information identified	3825-26-1	Report	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-057 3453	19920102	Tables	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-058 3454	19940000	Table entitled "1994 C-8 in Blood Results"	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data

INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME OF CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-059 3455	19970617	E-mail from Anthony J. Playtis to Younger L. Power entitled "1997 Voluntary C-8 Blood Testing"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-060 3456	19971103	Report by A. J. Playtis entitled "Results of the 1995 Study of C-8 Blood Levels"	no further information identified	C-8	no further information identified	3825-26-1	Report	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-061 3457	20000802	E-mail from Anthony J. Playtis to Robin Banerjee et al entitled "Preliminary C-8 Blood Results for Washington Works"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-062 3458	20000808	Memo from Anthony J. Playtis to Gary W. Jepson entitled "Pensioner Blood Data"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-063 3459	20001117	Presentation entitled "Washington Works Blood Data Summary" by R. F. Pinchot	no further information identified	APFO	no further information identified	3825-26-1	Presentation	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-064 3460	20041120	Summaries of blood data by year and spreadsheets containing raw data	no further information identified	Perfluorooctanoic Acid	no further information identified	335-67-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-065 3461	undated	Table entitled "WW APFO in Blood, 1985 and 1984"	no further information identified	APFO	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-066 3462	undated	Title entitled "Half Life Results from Pensioners"	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-067 3463	undated	Table entitled "WW APFO in Blood, 1989-90"	no further information identified	APFO	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-068 3464	undated	Table entitled "Average for Job"	no further information identified	APFO	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-069 3465	undated	Series of tables, 10 pages	no further information identified	C-8	no further information identified	3825-26-1	Table	no further information identified	no further information identified	Washington Works	PFOA in Blood Data
035-070 3466	19870324	Kinetics of Sorption and Elimination of Fluorinated Surfactants in Blood	3L-87-5	Poly(difluoromethyl)ene- γ ,alpha-fluoro-omega-(2-sulfoethyl)-	[CBI]	80010-37-3	Report	no further information identified	no further information identified	no further information identified	Telomers Blood Data General
035-071 3467	undated	Organic Fluorocompounds in Blood	no further information identified	Organic Fluorocompounds	no further information identified	no further information identified	Memorandum	no further information identified	no further information identified	no further information identified	Telomers Blood Data General
035-072 3468	19790315	Letter from Sidney Pell to P. G. Gilby entitled "Chambers Works Fluorosurfactant Study"	no further information identified	Fluorine	no further information identified	7782-41-4	Correspondence	no further information identified	no further information identified	Chambers Works	Telomers Blood Data

INDEX NUMBER	DATE	TITLE/DESCRIPTION	REPORT NUMBER	SUBJECT MATERIAL	TRADENAME or CODE	CAS REGISTRY NUMBER	DOCUMENT TYPE	EPA DOCKET	"Bates" NUMBER	SITE	CATEGORY
035-073 3469	19790518	Chambers Works Fluorochemicals in Blood Study	no further information identified	Fluorine	no further information identified	7782-41-4	Study	no further information identified	no further information identified	Chambers Works	Telomers Blood Data
035-074 3470	19990305	E-mail from Barbara J. Dawson to Carol S. Lyell entitled "1978-79 Chambers Works Organic Fluorine in Blood Monitoring Program"	no further information identified	Fluorine	no further information identified	7782-41-4	Email	no further information identified	no further information identified	Chambers Works	Telomers Blood Data
035-075 3471	20000321	E-mail from Susan S. Mileti to Gerald L. Kennedy and Stephen H. Korzeniowski entitled "CW blood monitoring C-8 & total F"	no further information identified	Fluorine	no further information identified	7782-41-4	Email	no further information identified	no further information identified	Chambers Works	Telomers Blood Data
035-075 3471	20000321	E-mail from Susan S. Mileti to Gerald L. Kennedy and Stephen H. Korzeniowski entitled "CW blood monitoring C-8 & total F"	no further information identified	C-8	no further information identified	3825-26-1	Email	no further information identified	no further information identified	Chambers Works	Telomers Blood Data
035-076 3472	20011001	Worker Monitoring Summary	no further information identified	Fluorine	no further information identified	7782-41-4	Abstract	no further information identified	no further information identified	Chambers Works	Telomers Blood Data
035-077 3473	20041209	Chambers Works Telomer Summary	no further information identified	PFOA	no further information identified	335-67-1	Table	no further information identified	no further information identified	Chambers Works	Telomers Blood Data
035-078 3474	20041207	First Chemical Company Pascagoula, MS - Baseline Monitoring December 2003	no further information identified	PFOA	no further information identified	335-67-1	Table	no further information identified	no further information identified	Pascagoula	Telomers Blood Data
035-079 3475	20020530	Telomers fluore Dosages sanguins	no further information identified	PFOA	no further information identified	335-67-1	Presentation	no further information identified	no further information identified	Villers Saint Paul	Telomers Blood Data
035-080 3476	20030327	E-mail from Jim E. Pesek to Korzeniowski, Rickard and Masse entitled "Blood Monitoring at Villers Saint Paul"	no further information identified	PFOA	no further information identified	335-67-1	Email	no further information identified	no further information identified	Villers Saint Paul	Telomers Blood Data

Fluoropolymers Laboratory Analysis Information Retrieval

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VOL	TAB	DATE	DESCRIPTION	CATEGORY
36	FLAIR Documents	11/09/04	Flair - Work and Medical Histories for All Employees and All Years	FLAIR Blood Monitoring

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