Component (ug/L)	Event #1		Event #2		Event #3
	Upstream 4A	Upstream 4B	Upstream 4A	Upstream 4B	Upstream 4
PFBA	<0.0020	<0.0020	0.0014	0.0015	0.0018
PFPeA	<0.00050	<0.00050	0.0018	0.0021	0.0035
PFHxA	0.00092	0.00095	0.0017	0.0022	0.0029
PFHpA	<0.00050	<0.00050	0.00099	0.0013	0.0016
PFBS	<0.00050	<0.00050	<0.0020	<0.0020	0.0005
PFHxS	0.0013	0.0014	0.0011	0.0017	0.0019
6:2 FTS	0.00054	0.00087	<0.00050	<0.00050	0.020
PFOSA	0.0050	0.0026	<0.00050	<0.00050	<0.00050
PFOA (Linear)	0.0012	0.0014	0.0012	0.0010	0.0030
PFOS (linear)	<0.00050	<0.00050	<0.020	<0.020	0.0028
PFOS (branched)	<0.00050	<0.00050	<0.020	<0.020	0.00098

Samples collected from the north bank of the Oise River 3 meters apart. 4A was resampled during Event #3.

Component (ug/L)	Event #1		Event #2	
	Upstream 3A	Upstream 3B	Upstream 3A	Upstream 3B
PFBA	<0.0020	0.0038	0.0013	0.0017
PFPeA	<0.00050	<0.00050	0.0029	0.002
PFHxA	0.00084	0.00073	0.0029	0.0027
PFHpA	<0.00050	0.00051	0.00082	0.00073
PFNA	<0.00050	<0.00050	<0.00050	0.00056
PFBS	<0.00050	0.00058	<0.0020	<0.0020
PFHxS	0.00095	0.0014	0.0012	0.0016
6:2 FTS	<0.00050	0.00076	<0.00050	<0.00050
PFOSA	0.00085	0.0030	<0.00050	<0.00050
PFOA (Linear)	0.0010	0.0015	0.0011	0.0015

Samples collected from the north bank of the Oise River 3 meters apart.

Component (ug/L)	Event #1		Event #2	
	Upstream 2A	Upstream 2B	Upstream 2A	Upstream 2B
PFBA	<0.0020	<0.0020	0.0016	0.0013
PFPeA	<0.00050	<0.00050	0.0022	0.0017
PFHxA	0.00078	0.00064	0.0024	0.0025
PFHpA	<0.00050	<0.00050	0.00066	0.00083
PFHxS	0.0012	0.0011	0.00084	0.0013
6:2 FTS	0.00080	0.00065	<0.00050	<0.00050
PFOSA	0.0011	0.0013	<0.00050	<0.00050
PFOA (Linear)	0.00087	0.0011	0.0012	0.0012

Samples collected from the west bank of the Oise River 3 meters apart.

Component (ug/L)	Event #1		Event #2	
	Upstream 1A	Upstream 1B	Upstream 1A	Upstream 1B
PFBA	<0.0020	<0.0020	0.0027	0.0019
PFPeA	<0.00050	<0.00050	0.0023	0.0026
PFHxA	0.0013	0.00084	0.0021	0.0033
PFHpA	<0.00050	<0.00050	0.00092	0.00098
PFBS	0.0036	<0.00050	<0.0020	<0.0020
PFHxS	0.0024	0.0012	0.0015	0.0010
6:2 FTS	0.0012	0.0011	<0.00050	<0.00050
PFOSA	0.0068	0.0022	0.00071	0.00065
PFOA (Linear)	0.0014	0.0013	0.0021	0.0014

Samples collected from the north bank of the Oise River 3 meters apart.

Component (ug/L)	Event #3					
	Downstream 1-1S	Downstream 1-1M	Downstream 1-2S	Downstream 1-2M	Downstream 1-3S	Downstream 1-3M
PFBA	0.0017	0.0019	0.0017	0.0020	0.0059	0.0035
PFPeA	0.0032	0.0036	0.0036	0.0038	0.024	0.012
PFHxA	0.0034	0.0036	0.0030	0.0035	0.015	0.0092
PFHpA	0.0019	0.0016	0.0023	0.0018	0.015	0.0090
PFNA	0.00052	<0.00050	0.0014	<0.00050	0.0015	0.00061
PFBS	<0.00050	0.00078	0.00068	0.00071	0.0016	0.00080
PFHxS	0.0020	0.0023	0.0026	0.0023	0.0023	0.0025
6:2 FTS	0.024	0.017	0.35	0.060	0.61	0.30
8:2 FTS	0.0052	<0.00050	0.026	<0.00050	0.0019	0.00071
PFOA (linear)	0.0021	0.0027	0.0034	0.0025	0.0058	0.0039
PFOS (linear)	0.0055	0.0024	0.0066	0.0030	0.0036	0.0046
PFOS (branched)	0.00098	0.0013	0.0028	0.00089	0.0012	0.0013

Samples collected from a bridge at 1/4 (1-1), 1/2 (1-2) and 3/4 (1-3) the distance from the west bank and from the surface (S) and mid column (M).

Component (ug/L)	Event #3	
	Upstream 5-S	Upstream 5-M
PFBA	0.0017	0.0017
PFPeA	0.0033	0.0028
PFHxA	0.0026	0.0019
PFHpA	0.0014	0.0011
PFBS	0.00061	0.00071
PFHxS	0.0019	0.0020
6:2 FTS	0.023	0.0032
PFOA (linear)	0.0019	0.0012
PFOS (linear)	0.0031	0.0040
PFOS (branched)	0.0014	0.0010

Samples collected from a bridge at the center of the river at the surface and mid column.

Component (ug/L)	Event #3
	OUTFALL
PFBA	0.21
PFPeA	1.2
PFHxA	0.80
PFHpA	0.92
PFNA	0.013
PFBS	0.033
PFPeS	0.0054
PFHxS	0.027
4:2 FTS	0.084
6:2 FTS	1.0
8:2 FTS	0.20
PFOA (linear)	0.054
PFOA (branched)	0.0028
PFOS (linear)	0.026
PFOS (branched)	0.0039

Sample collected at the Outfall on the west bank where the discharge enters the Oise River.

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Inset Map Extent

Component (ug/L)	Event #3	
	Downstream 5A	Downstream 5B
PFBA	0.0028	0.0028
PFPeA	0.0086	0.0086
PFHxA	0.0064	0.0054
PFHpA	0.0047	0.0053
PFNA	0.00051	0.00053
PFBS	0.00070	0.0012
PFHxS	0.0029	0.0029
6:2 FTS	0.15	0.16
PFOA (linear)	0.0028	0.0028
PFOS (linear)	0.0036	0.0041
PFOS (branched)	0.0013	0.0015

Samples collected from the west bank of the Oise River 3 meters apart.

Component (ug/L)	Event #2	
	Downstream 1A	Downstream 1B
PFBA	0.0019	0.0014
PFPeA	0.0029	0.0022
PFHxA	0.0034	0.0029
PFHpA	0.00095	0.00096
PFHxS	0.00085	0.00074
PFOA (Linear)	0.0012	0.0012

Samples collected from the south bank of the Oise River 3 meters apart.

Component (ug/L)	Event #3	
	Downstream 6-2M	Downstream 6-1M
PFBA	0.0024	0.0024
PFPeA	0.0070	0.0076
PFHxA	0.0052	0.0052
PFHpA	0.0033	0.0044
PFBS	0.00088	0.00059
PFHxS	0.0026	0.0019
6:2 FTS	0.11	0.14
PFOA (linear)	0.0026	0.0019
PFOS (linear)	0.0029	0.0031
PFOS (branched)	0.00090	0.0014

Samples collected from a bridge at 1/4 (6-2M) and 1/2 (6-1M) the distance from the west bank from mid column.

Component (ug/L)	Event #2	
	Downstream 2A	Downstream 2B
PFBA	0.0035	0.0037
PFPeA	<0.020	0.0048
PFHxA	0.0078	<0.020
PFHpA	0.0044	<0.020
PFBS	0.0022	0.0021
PFHxS	0.0012	0.0014
4:2 FTS	0.00066	0.00095
6:2 FTS	0.072	0.070
PFOSA	<0.00050	0.00062
PFOA (Linear)	0.0019	0.0020

Samples collected from the east bank of the Oise River 3 meters apart.

Component (ug/L)	Event #3	
	Downstream 7-1M	Downstream 7-2M
PFBA	0.0022	0.0024
PFPeA	0.0068	0.0068
PFHxA	0.0051	0.0059
PFHpA	0.0036	0.0042
PFBS	0.00075	0.00082
PFHxS	0.0024	0.0028
6:2 FTS	0.11	0.11
PFOA (linear)	0.0028	0.0030
PFOS (linear)	0.0026	0.0039
PFOS (branched)	0.00092	0.0014

Samples collected from a bridge at 1/4 (7-1M) and 1/2 (7-2M) the distance from the west bank from mid column.

Component (ug/L)	Event #2	
	Downstream 3A	Downstream 3B
PFBA	<0.020	0.0032
PFPeA	<0.020	0.0050
PFBS	<0.020	0.0025
PFHxS	<0.020	0.0012
6:2 FTS	<0.020	0.053
PFOA (Linear)	<0.020	0.0022

Samples collected from the west bank of the Oise River 3 meters apart.

Component (ug/L)	Event #3	
	Downstream 8-2M	Downstream 8-1M
PFBA	0.0023	0.0023
PFPeA	0.0069	0.0069
PFHxA	0.0050	0.0058
PFHpA	0.0035	0.0038
PFNA	0.00051	<0.00050
PFBS	0.00073	0.00067
PFHxS	0.0024	0.0025
6:2 FTS	0.11	0.12
PFOA (linear)	0.0032	0.0033
PFOS (linear)	0.0033	0.0024
PFOS (branched)	0.00074	0.0012

Samples collected from a bridge at 1/4 (8-2M) and 1/2 (8-1M) the distance from the west bank from mid column.

Component (ug/L)	Event #2	
	Downstream 4A	Downstream 4B
PFBA	0.0040	0.0041
PFPeA	0.0059	0.0063
PFHpA	0.0078	<0.020
PFHxS	0.0013	0.0016
4:2 FTS	<0.00050	0.00077
6:2 FTS	0.025	0.054
PFOA (Linear)	0.0016	0.0031

Samples collected from the west bank of the Oise River 3 meters apart.

Event #1 (Samples taken 4/19/22)

Event #2 (Samples taken 6/16/22)

Event #3 (Samples taken 9/30/22)

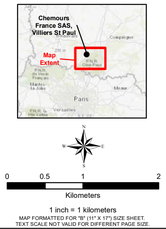
Note: Each sample was analyzed by SGS Laboratories in Brussels, Belgium, for the 30 components listed below. Reporting limits (RLs) vary from analysis to analysis. Data boxes posted show components (listed by the acronyms shown below) detected above the RL for that analysis. See the SGS laboratory report for the RLs for each analysis.

PFAS Components List	
Perfluorobutanoic acid (PFBA)	Perfluoroheptane sulfonic acid (PFHpS)
Perfluoropentanoic acid (PFPeA)	Perfluorodecane sulfonic acid (PFDS)
Perfluorohexanoic acid (PFHxA)	4:2 Fluorotelomersulfonic acid (4:2 FTS)
Perfluoroheptanoic acid (PFHpA)	6:2 Fluorotelomersulfonic acid (6:2 FTS)
Perfluorononoic acid (PFNA)	8:2 Fluorotelomersulfonic acid (8:2 FTS)
Perfluorodecanoic acid (PFDA)	10:2 Fluorotelomersulfonic acid (10:2 FTS)
Perfluoroundecanoic acid (PFUnDA)	Perfluorooctane sulfonamide (PFOSA)
Perfluorododecanoic acid (PFDoDA)	N-methylperfluorooctanesulfonamide (N-MeFOSA)
Perfluorotridecanoic acid (PFTrDA)	N-methylperfluorooctanesulfonamidoacetic acid (N-MeFOSAA)
Perfluorotetradecanoic acid (PFTeDA)	N-ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA)
Perfluorohexadecanoic acid (PFHxDA)	8:2 Fluorotelomerphosphate diester (8:2 DiPAP)
Perfluorooctadecanoic acid (PFOcDA)	Perfluorooctanoic acid (PFOA) (linear)

Notes:

Coordinate System: RGF 1993 Lambert 93
Projection: Lambert Conformal Conic
Datum: RGF 1993
Units: Meter

Basemap Service Layer Credits: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community.



AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

Oise River Sampling Locations and PFAS Results - 2022 Events 1, 2, and 3

Chemours France SAS, Villiers St Paul, Hauts de France, France

TASK NUMBER: 22001	PROJECT NUMBER: 60678506
DESIGNED BY: K. L. DAVIS	DATE: 11/8/2022
DRAWN BY: C. DUFFY	FIGURE NUMBER: 1
DATA QUALITY CHECK BY: H. YVERNEAU	

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