



EPL 21054 Monitoring Data

March 2022

REVISIONS

Revision	Date	Description	Prepared by	Approved by
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1. INTRODUCTION

Aspect Environmental Pty Ltd are engaged by the Licence Holder, QUBE RE SERVICES (NO. 2) Pty Ltd (QUBE) to collate monitoring results pertaining to EPL 21054 and display them on the SIMTA -Moorebank Intermodal Terminal Precinct website.

2. PURPOSE

Summarise the Discharge Point Monitoring Results for the reporting period July 2021- March 2022.

3. BACKGROUND

The Moorebank Intermodal Terminal Precinct construction site is located on Moorebank Avenue, Moorebank in Sydney's south-west.

EPL 21054 was issued on 4 June 2018 for the Scheduled Activity of "Crushing, grinding or separating".

On 18 April 2019 the NSW EPA issued Variation No. 1 of EPL 21054 for the addition of Scheduled Activity "Extractive activities" and the provision of defined discharge monitoring points including parameters for monitoring discharges to water and land.

On 22 October 2020, the NSW EPA issued Variation No. 2 to remove the scheduled activity "Extractive activities". The Licence was further varied in consideration of s45 of the Act to include condition relating to dust control, emergency response, minor administrative changes and an amendment to special condition E1.

On the 22 December 2021, the NSW EPA issued variation No.3 - the current version of EPL 21054. In total nine variations were made to the licence, notably the variations included the addition of three discharge points and the removal of TSS as an approved pollutant.

Monitoring Comments

The site is well contained with most of the rainwater either being absorbed, evaporated or reused for dust control. Further, there are no processes on site that generate water as a by-product for discharge. Hence, discharge is not regular and does not always occur after rain. During the reporting period the site discharged at the following frequencies:

- five times at DP 1;
- once at DP2;
- eight times at DP 3;
- six times at DP4;
- six times at DP 6;
- four times at DP7;
- once at DP8;
- once at DP9; and
- no discharge at DP10.

On three occasions there were uncontrolled discharges from site. The uncontrolled discharges were a consequence of rainfall events exceeding site specifications (EPL Condition L2.5). Subsequent laboratory results identified exceedances for total suspended solids and turbidity at DP3 and for PFOS and turbidity from overland flow south of DP4 (offsite discharge not confirmed).

No other exceedances occurred in the reporting period.

4. CONCLUSION

The compliance obligations of the Licensee for discharge point monitoring have been satisfactorily executed.

5. APPENDICES

Appendix 1: Discharge Monitoring Data Summary Table (per EPA annual return reporting requirements).

Appendix 2: Bureau of Meteorology Rainfall.

Appendix 3: Discharge Monitoring Data Reports.

APPENDIX 1 – DISCHARGE MONITORING DATA SUMMARY TABLE

(per EPA Annual Return Reporting Requirements)

EPL 21054, Monitoring Period 05/06/2020-04/06/2021, DPs 1,2, 3, 4, 5, 6 and 7.

Discharge and Monitoring Point 1

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	5	5	6.8	7.54	8.1
Total suspended solids	mg/L	3	3	<5	7.43	11
Turbidity	ntu	5	5	1.6	12.62	32

Discharge and Monitoring Point 2

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	1	1	7.5	-	-
Total suspended solids (TSS)	mg/L	1	1	5.8	-	-
Turbidity	ntu	1	1	8.3	-	-

Discharge and Monitoring Point 3

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	8	13	6.7	7.28	7.8
TSS	mg/L	4	7	<5	36.9	150
Turbidity	ntu	8	13	<1	110.7	480
PFHxS	µg/L	8	13	<0.01	<0.01	0.03
PFOS	µg/L	8	13	<0.01	0.04	0.09
PFOA	µg/L	8	13	<0.01	<0.01	0.02

Discharge and Monitoring Point 4						
Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	6	7	7.05	7.30	7.50
TSS	mg/L	3	3	<5	-	<5
Turbidity	ntu	6	7	<1	3.2	10
PFHxS	µg/L	6	7	<0.01	<0.01	0.01
PFOS	µg/L	6	7	<0.01	0.13	0.3
PFOA	µg/L	6	7	<0.01	<0.01	<0.01
Discharge and Monitoring Point 6						
Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	6	6	6.8	7.36	7.7
TSS	mg/L	4	4	<5	8.4	12
Turbidity	ntu	6	6	2.4	6.73	14
Discharge and Monitoring Point 7						
Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	4	4	6.8	6.85	7.10
TSS	mg/L	3	3	9.6	21	42
Turbidity	ntu	4	4	3.9	10.65	17
PFHxS	µg/L	4	4	<0.01	<0.01	0.03
PFOS	µg/L	4	4	0.01	0.03	0.06
PFOA	µg/L	4	4	<0.01	-	<0.01

Discharge and Monitoring Point 8

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	1	1	6.9	-	-
Turbidity	ntu	1	1	80	-	-
PFHxS	µg/L	1	1	<0.01	-	-
PFOS	µg/L	1	1	0.02	-	-
PFOA	µg/L	1	1	<0.01	-	-

Discharge and Monitoring Point 9

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	1	1	7.6	-	-
Turbidity	ntu	1	1	230	-	-
PFHxS	µg/L	1	1	<0.01	-	-
PFOS	µg/L	1	1	<0.01	-	-
PFOA	µg/L	1	1	<0.01	-	-

Discharge and Monitoring Point 10

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
pH	pH	0	0	-	-	-
Turbidity	ntu	0	0	-	-	-
PFHxS	µg/L	0	0	-	-	-
PFOS	µg/L	0	0	-	-	-
PFOA	µg/L	0	0	-	-	-

APPENDIX 2 – BUREAU OF METEOROLOGY RAINFALL RECORDS

Holdsworth Aerodrome Rainfall (mm) for EPL Annual Return Period											
Day	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
1		0.6	0	0	0.6	0	0	0	0	16.4	
2		3.6	0	0	22.2	0	0	0	10.8	66.8	
3		0.4	0	0	2.8	0	0	0	0	53.8	
4		0	0	0	0	0	0.8	0.8	0.2	22	
5	0	0	13.6	13.6	0	24.4	0	2.2	0.8	2	
6	0	0	0	0	0	3	0	40.2	1.2	29.8	
7	0	0	0	0	0	0.2	0	2.6	9	37.8	
8	6	0	0	0.2	0	7.6	0	24.2	7.2	98	
9	5	0	0	0	0	0	2	0.4	0	30.2	
10	0	5.6	0	0	0	0.4	19.8	0.2	0	0	
11	6.8	3	0	0	3.4	10.4	26.6	0	17.4	0	
12	0	0.4	0	0	0.2	24.6	0	0	4.6	0	
13	0	0	0	0	1.4	0.4	0	28.6	8.6	0	
14	0	0	7	7	7.6	0	0	39.8	0	0	
15	0	0.6	0.2	0.2	1.6	0.6	0	0.4	0	0	
16	0	2	0	0	0.6	0.2	1.6	0.2	0	13.2	
17	6	1.4	0	0	0	0	0	0	0	3	
18	0	0	0.2	0.2	0	0	0	0	1.8	0	
19	3	0	0.2	0.2	0	0.8	1.6	4.2	3.8	21.2	
20	1	0	0	0	0.8	0	0	5.2	0	0.4	
21	5	0	0	0	0.4	14.8	0	3.8	0	0	
22	0	0	0	0	0	5.2	0	0.6	0.8	0	
23	0.2	0.6	0	0	0	1.2	2.4	0.8	52.6	0	
24	0.2	0.8	0	0	14	0.2	0	3.2	12.4	2.2	
25	0.8	0	0	0	0	6.6	0	0.2	13.8	7.2	
26	0	0	0.2	0.2	0	27.8	0	0	21.8	27.2	
27	0	0	0.8	0.8	0	6.2	0	0	28	37	
28	0	0	0	0	0	0.2	4.8	0	6.2	11.6	
29	0	0	0	0	0	0.2	0	0		4.2	
30	9.4	0	1.8	1.8	0	0	0.8	0		27.6	
31		0			0		0	0		5	
Total	43.4	19	24	24.2	55.6	135	60.4	157.6	201	516.6	0

APPENDIX 3 – DISCHARGE MONITORING DATA REPORT

Central Treatment Plant discharges directly to DP4



Job Number: SRM372		Updated EPL		Sample No.	62	63	64
Project: Moorebank West Water Treatment Plant		21054 Licence -		Sample Date	1/07/2021	6/07/2021	16/07/2021
Table: Synergy WTP Results Summary		406/2021		Definition	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_MBW10_DW				Sample Type	Primary	Primary	Primary
Analyte	Units	Discharge Criteria					
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)							
Perfluoroalkyl Sulfonic Acid							
Perfluorobutane sulfonic acid (PFBS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoroheptane sulfonic acid (PFHpS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13		<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid							
Perfluorobutanoic acid (PFBA)	µg/L			<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10		<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUoDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTriDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L			<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	µg/L			<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EFOSA)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOAAA)	µg/L			<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOAAA)	µg/L			<0.02	<0.02	<0.02	<0.02
(m-2) Fluorotelomer Sulfonic Acid							
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05
Per & Polyfluoroalkyl Substances Sums							
Sum of PFAS	µg/L			<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	µg/L			<0.01	<0.01	<0.01	<0.01
Other (EPL 21054 Limits)							
pH	pH units	6.5-8.5		7.7	8.0	7.6	
Total Suspended Solids	mg/L	50		<5	<5	<5	
Turbidity	NTU	25		0.9	<0.1	0.1	
Oil and Grease	Visible	Not Visible		Not Visible	Not Visible	Not Visible	

Central Treatment Plant discharges directly to DP4



Indicate results greater than Contractual Discharge Criteria						
Job Number: SRM372	Updated EPL: 21054 Licence - 4/06/2021	Sample No. 65	66	67	68	69
Project: Moorebank West Water Treatment Plant		Sample Date: 1/09/2021	7/09/2021	10/09/2021	14/09/2021	16/09/2021
Table: Synergy WTP Results Summary		Definition: Discharge Water	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Central MBW10_DW		Sample Type: Primary	Primary	Primary	Primary	Primary
Analyses	Units	Discharge Criteria				
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)						
Perfluoroalkyl Sulfonic Acid						
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.02	<0.02	<0.02	<0.02
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	<0.01	<0.01	<0.01
Perfluorodecansulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid						
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	µg/L		<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides						
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOAAA)	µg/L		<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOAAA)	µg/L		<0.02	<0.02	<0.02	<0.02
(n2) Fluorotelomer Sulfonic Acid						
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums						
Sum of PFAS	µg/L		<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	µg/L	2	<0.01	<0.01	<0.01	<0.01
Other (EPL 21054 Limits)						
pH	pH units	6.5-8.5	6.73	6.57	6.94	7.56
Total Suspended Solids	mg/L	50	<5	<5	<5	<5
Turbidity	NTU	25	<0.1	0.1	<0.1	0.2
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible

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Northern Treatment Plant discharges directly to DP3



Indicate results greater than Contractual Discharge Criteria									
Job Number:	SRM372	Updated EPL	21054 Licence - 4/06/2021	Sample No.	1	2	3	4	5
Project:	Moorebank West Water Treatment Plant	Sample Date	10/09/2021	14/09/2021	16/09/2021	20/09/2021	22/09/2021		
Table:	Synergy WTP Results Summary	Definition	Discharge water	Discharge water	Discharge water	Discharge water	Discharge water	Discharge water	
Sample ID Pre-fix:	SRM_MBW10_DW	Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	
Analytes	Units	Discharge Criteria							
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)									
Perfluoroalkyl Sulfonic Acid									
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
Perfluoroalkyl Carboxylic Acid									
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
(n2) Fluorotelomer Sulfonic Acid									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums									
Sum of PFAS	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
Sum of PFHxS and PFOS	µg/L	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
Other (EPL 21054 Limits)									
pH	pH units	6.5-8.5	6.6	7.53	7.47	6.89	7.09		
Total Suspended Solids	mg/L	50	<5	<5	11	<5	8		
Turbidity	NTU	25	0.3	2.2	5.1	2.1	4.4		
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible		

The laboratory results for pH for Sample Number 002 were out of range. Synergy conducted pH sampling in the field using a calibrated pH probe. As pH is temperature dependant, the results collected in the field is a more accurate representation of the treatment water and therefore have been used for this sampling round.

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Central Treatment Plant discharges directly to DP4



Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	70	71	72	73
Project: Moorebank West Water Treatment Plant			Sample Date	12/10/2021	14/09/2021	19/10/2021	21/10/2021
Table: Synergy WTP Results Summary			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Central MBW10_DW			Sample Type	Primary	Primary	Primary	Primary
Analyses	Units	Discharge Criteria					
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)							
Perfluoroalkyl Sulfonic Acid							
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecanesulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid							
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTeDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
(n:2) Fluorotelomer Sulfonic Acid							
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums							
Sum of PFAS	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	µg/L	2	<0.01	<0.01	<0.01	<0.01	<0.01
Other (EPL 21054 Limits)							
pH	pH units	6.5-8.5	7.44	6.57	6.84	7.84	
Total Suspended Solids	mg/L	50	<5	<5	<5	<5	<5
Turbidity	NTU	25	<0.1	0.1	<0.1	<0.1	<0.1
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible

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Northern Treatment Plant discharges directly to DP3



Indicate results greater than Contractual Discharge Criteria				
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	6
Project: Moorebank West Water Treatment Plant			Sample Date	21/10/2021
Table: Synergy WTP Results Summary			Definition	Discharge water
Sample ID Pre-fix: SRM_Nth MBW10_SW			Sample Type	Primary
Analytes	Units	Discharge Criteria		
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)				
Perfluoroalkyl Sulfonic Acid				
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.02	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	
Perfluorodecanesulfonic acid (PFDS)	µg/L		<0.02	
Perfluoroalkyl Carboxylic Acid				
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	
Perfluorononanoic acid (PFNA)	µg/L		<0.02	
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	
Perfluorotridecanoic acid (PFTriDA)	µg/L		<0.02	
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	
Perfluoroalkyl Sulfonamides				
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	
(n:2) Fluorotelomer Sulfonic Acid				
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/L		<0.05	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/L		<0.05	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	
Per- & Polyfluoroalkyl Substances Sums				
Sum of PFAS	µg/L		<0.01	
Sum of PFHxS and PFOS	µg/L	2	<0.01	
Other (EPL 21054 Limits)				
pH	pH units	6.5-8.5	7.5	
Total Suspended Solids	mg/L	50	<5	
Turbidity	NTU	25	1.4	
Oil and Grease	Visible	Not Visible	Not Visible	

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Central Treatment Plant discharges directly to DP4



Indicate results greater than Contractual Discharge Criteria							
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	74	75	76	77
Project: Moorebank West Water Treatment Plant			Sample Date	26/10/2021	4/11/2021	18/11/2021	24/11/2021
Table: Synergy WTP Results Summary			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Central MBW10_DW			Sample Type	Primary	Primary	Primary	Primary
Analytes	Units	Discharge Criteria					
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)							
Perfluoroalkyl Sulfonic Acid							
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	<0.01	<0.01	<0.01	0.02
Perfluorodecanesulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid							
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTriDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
(n:2) Fluorotelomer Sulfonic Acid							
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums							
Sum of PFAS	µg/L		<0.01	<0.01	<0.01	<0.01	0.02
Sum of PFHxS and PFOS	µg/L	2	<0.01	<0.01	<0.01	<0.01	0.02
Other (EPL 21054 Limits)							
pH	pH units	6.5-8.5	7.23	7.59	7.29	7.13	
Total Suspended Solids	mg/L	50	<5	5	<5	<5	
Turbidity	NTU	25	0.2	17	0.8	6.8	
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	

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Northern Treatment Plant discharges directly to DP3



Indicate results greater than Contractual Discharge Criteria							
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	7	8	9	10
Project: Moorebank West Water Treatment Plant			Sample Date	26/10/2021	2/11/21	4/11/2021	24/11/2021
Table: Synergy WTP Results Summary			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Nth MBW10_SW			Sample Type	Primary	Primary	Primary	Primary
Analytes	Units	Discharge Criteria					
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)							
Perfluoroalkyl Sulfonic Acid							
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.02	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	0.03	0.02	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid							
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTriDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
(n:2) Fluorotelomer Sulfonic Acid							
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums							
Sum of PFAS	µg/L		0.03	0.02	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	µg/L	2	0.03	0.02	<0.01	<0.01	<0.01
Other (EPL 21054 Limits)							
pH	pH units	6.5-8.5	7.2	7.02	7.69	7.37	
Total Suspended Solids	mg/L	50	10	<5	10	<5	
Turbidity	NTU	25	3.6	1.4	10	<0.1	
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	

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Central Treatment Plant discharges directly to DP4



Indicate results greater than Contractual Discharge Criteria					
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	78	79
Project: Moorebank West Water Treatment Plant			Sample Date	7/12/2021	10/12/2021
Table: Synergy WTP Results Summary			Definition	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Central MBW10_DW			Sample Type	Primary	Primary
Analytes	Units	Discharge Criteria			
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)					
Perfluoroalkyl Sulfonic Acid					
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.01	<0.01	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	0.01	
Perfluorodecansulfonic acid (PFDS)	µg/L		<0.02	<0.02	
Perfluoroalkyl Carboxylic Acid					
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	
Perfluorotridecanoic acid (PFTrDA)	µg/L		<0.02	<0.02	
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	
Perfluoroalkyl Sulfonamides					
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	
(n:2) Fluorotelomer Sulfonic Acid					
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	
Per- & Polyfluoroalkyl Substances Sums					
Sum of PFAS	µg/L		<0.01	0.01	
Sum of PFHxS and PFOS	µg/L	2	<0.01	0.01	
Other (EPL 21054 Limits)					
pH	pH units	6.5-8.5	7.17	7.66	
Total Suspended Solids	mg/L	50	<5	<5	
Turbidity	NTU	25	0.6	0.6	
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	

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Northern Treatment Plant discharges directly to DP3



Indicate results greater than Contractual Discharge Criteria							
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	11	12	13	14
Project: Moorebank West Water Treatment Plant			Sample Date	3/12/2021	7/12/2021	10/12/2021	17/12/2021
Table: Synergy WTP Results Summary			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Nth MBW10_SW			Sample Type	Primary	Primary	Primary	Primary
Analytes	Units	Discharge Criteria					
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)							
Perfluoroalkyl Sulfonic Acid							
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	<0.01	<0.01	<0.01	0.01
Perfluorodecanesulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid							
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTriDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
(n:2) Fluorotelomer Sulfonic Acid							
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums							
Sum of PFAS	µg/L		<0.01	<0.01	<0.01	<0.01	0.01
Sum of PFHxS and PFOS	µg/L	2	<0.01	<0.01	<0.01	<0.01	0.01
Other (EPL 21054 Limits)							
pH	pH units	6.5-8.5	7.26	7.06	7.65	6.97	
Total Suspended Solids	mg/L	50	20	<5	<5	<5	
Turbidity	NTU	25	9.1	0.3	<0.1	0.9	
Oil and Grease	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	

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Central Treatment Plant discharges directly to DP4



Job Number:	SRM372	Updated EPL:	21054 Licence - 4/06/2021	Sample No.	81	82	83	84	85	86
Project:	Moorebank West Water Treatment Plant	Sample Date	22/12/2021	7/01/2022	11/01/2022	13/01/2022	19/01/2022	21/01/2022		
Table:	Synergy WTP Results Summary	Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water	Discharge Water	Discharge Water		
Sample ID Pre-Fix:	SRM_Central MBW10_DW	Sample Type	Primary	Primary	Primary	Primary	Primary	Primary		
Analytes	Units	Discharge Criteria								
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)										
Perfluoroalkyl Sulfonic Acid										
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	
Perfluorodecane sulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluoroalkyl Carboxylic Acid										
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorododecanoic acid (PFDDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorotridecanoic acid (PFTDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Perfluorotetradecanoic acid (PFTDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Perfluoroalkyl Sulfonamides										
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
(n:2) Fluorotelomer Sulfonic Acid										
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Per- & Polyfluoroalkyl Substances Sums										
Sum of PFAS	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	
Sum of PFHxS and PFOS	µg/L	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	
Other (EPL 21054 Limits)										
pH	pH units	6.5-8.5	7.46	7.23	7.71	7.2	7.17	6.85		
Total Suspended Solids	mg/L	50	<5	<5	<5	<5	<5	7		
Turbidity	NTU	25	0.4	<1	0.4	0.2	0.3	3.4		
Oil and Grease	Visible	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible		

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Central Treatment Plant discharges directly to DP4

Indicate results greater than Contractual Discharge Criteria							
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	87	88	89	90
Project: Moorebank West Water Treatment Plant			Sample Date	25/01/2022	1/02/2022	3/02/2022	11/02/2022
Table: Synergy WTP Results Summary			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Central MBW10_DW		Discharge Criteria	Sample Type	Primary	Primary	Primary	Primary
Analytes	Units						
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)							
Perfluoroalkyl Sulfonic Acid							
Perfluorobutane sulfonic acid (PFBS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2		<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13		0.03	<0.01	<0.01	<0.01
Perfluorodecanesulfonic acid (PFDS)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid							
Perfluorobutanoic acid (PFBA)	µg/L			<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L			0.02	0.04	0.04	0.02
Perfluoroheptanoic acid (PFHpA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10		<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTDA)	µg/L			<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L			<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	µg/L			<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L			<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L			<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L			<0.02	<0.02	<0.02	<0.02
(n:2) Fluorotelomer Sulfonic Acid							
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/L			<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/L			<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums							
Sum of PFAS	µg/L			0.05	0.04	0.04	0.02
Sum of PFHxS and PFOS	µg/L	2		0.03	<0.01	<0.01	<0.01
Other (EPL 21054 Limits)							
pH	pH units	6.5-8.5		7.87	6.63	7.75	7.13
Total Suspended Solids	mg/L	50		<5	6	<5	<5
Turbidity	NTU	25		4.9	1.3	0.8	0.3
Oil and Grease	Visible	Visible		Not Visible	Not Visible	Not Visible	Not Visible

Northern Treatment Plant discharges directly to DP3



Indicate results greater than Contractual Discharge Criteria									
Job Number: SRM372		Updated EPL 21054 Licence - 4/06/2021	Sample No.	21	22	23	24	25	26
Project: Moorebank West North Water Treatment Plant			Sample Date	25/01/2022	1/02/2022	3/02/2022	9/02/2022	11/02/2022	19/02/2022
Tables: Synergy North WTP Results Summary			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Sample ID Pre-fix: SRM_Nth MBW10_SW		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analytes	Units	Discharge Criteria							
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)									
Perfluoroalkyl Sulfonic Acid									
Perfluorobutane sulfonic acid (PFBS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2	<0.01	<0.01	<0.01	0.02	0.02	0.02	0.03
Perfluoroheptane sulfonic acid (PFHpS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13	0.04	<0.01	0.04	0.06	0.08	0.08	0.09
Perfluorodecanesulfonic acid (PFDS)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroalkyl Carboxylic Acid									
Perfluorobutanoic acid (PFBA)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L		<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	µg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTeDA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
(n:2) Fluorotelomer Sulfonic Acid									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Per- & Polyfluoroalkyl Substances Sums									
Sum of PFAS	µg/L		0.04	0.03	0.04	0.08	0.1	0.12	
Sum of PFHxS and PFOS	µg/L	2	0.04	<0.01	0.04	0.08	0.1	0.12	
Other (EPL 21054 Limits)									
pH	pH units	6.5-8.5	8.25	6.93	6.84	6.6	6.97	7.91	
Total Suspended Solids	mg/L	50	<5	11	<5	10	9	14	
Turbidity	NTU	25	6	8.2	1.9	9	9.6	6.7	
Oil and Grease	Visibility	Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	

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Central Treatment Plant discharges directly to DP4



Indicate results greater than Contractual Discharge Criteria								
Job Number:	Updated EPL		Sample No.	91	92	93	94	95
SRM372	21054 Licence - 4/06/2021		Sample Date	10/03/2022	15/03/2022	18/03/2022	23/03/2022	25/03/2022
Project: Moorebank West Water Treatment Plant			Definition	Discharge Water	Discharge Water	Discharge Water	Discharge Water	Discharge Water
Table: Synergy WTP Results Summary			Sample Type	Primary	Primary	Primary	Primary	Primary
Sample ID Pre-fix: SRM Central MBW10 DW	Units	Discharge Criteria						
Per and Poly Fluoroalkyl Substances PFAS (Standard Level)								
Perfluoroalkyl Sulfonic Acid								
Perfluorobutane sulfonic acid (PFBS)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluoropentane sulfonic acid (PFPeS)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	2		0.01	0.02	0.03	0.02	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.13		0.02	<0.01	0.02	0.02	
Perfluorodecanesulfonic acid (PFDS)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluoroalkyl Carboxylic Acid								
Perfluorobutanoic acid (PFBA)	µg/L			<0.1	<0.1	<0.1	<0.1	
Perfluoropentanoic acid (PFPeA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorohexanoic acid (PFHxA)	µg/L			0.03	0.03	0.04	0.04	
Perfluoroheptanoic acid (PFHpA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorooctanoic acid (PFOA)	µg/L	10		<0.01	<0.01	<0.01	<0.01	
Perfluorononanoic acid (PFNA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorodecanoic acid (PFDA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluoroundecanoic acid (PFUnDA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorododecanoic acid (PFDoDA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorotridecanoic acid (PFTriDA)	µg/L			<0.02	<0.02	<0.02	<0.02	
Perfluorotetradecanoic acid (PFTeDA)	µg/L			<0.05	<0.05	<0.05	<0.05	
Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	µg/L			<0.02	<0.02	<0.02	<0.02	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L			<0.05	<0.05	<0.05	<0.05	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L			<0.05	<0.05	<0.05	<0.05	
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L			<0.05	<0.05	<0.05	<0.05	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L			<0.05	<0.05	<0.05	<0.05	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L			<0.02	<0.02	<0.02	<0.02	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L			<0.02	<0.02	<0.02	<0.02	
(n:2) Fluorotelomer Sulfonic Acid								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/L			<0.05	<0.05	<0.05	<0.05	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/L			<0.05	<0.05	<0.05	<0.05	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L			<0.05	<0.05	<0.05	<0.05	
Per- & Polyfluoroalkyl Substances Sums								
Sum of PFAS	µg/L			0.06	0.05	0.09	0.08	
Sum of PFHxS and PFOS	µg/L	2		0.03	0.02	0.05	0.04	
Other (EPL 21054 Limits)								
pH	pH units	6.5-8.5		7.26	7.37	6.91	7.23	
Total Suspended Solids	mg/L	50		46	<5	<5	<5	
Turbidity	NTU	25		0.4	0.9	1.5	1.6	
Oil and Grease	Visible	Visible		Not Visible	Not Visible	Not Visible	Not Visible	

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