

Fairfield Water Resource Recovery Facility

June Pollution Monitoring Summary

EPL 372



Summary period: 01-06-2024 to 30-06-2024
Date obtained: 01-07-2024
Date published: 15-07-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	800	no ⁵⁻⁹
total suspended solids	mg/L	on bypass	120	56	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	8	69	209.25	800
faecal coliforms	CFU/100mL	on bypass	8	37,000	564625	1,300,000
total suspended solids	mg/L	on bypass	8	31	44	56

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

⁵⁻⁹ Biochemical oxygen demand exceedances on the 1st, 2nd, 15th (twice) and 22nd of June. Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather resulted in plant operating under Environmental Protection Licence wet weather requirements on the above dates.

Fairfield Water Resource Recovery Facility

May Pollution Monitoring Summary

EPL 372



Summary period: 01-05-2024 to 31-05-2024
Date obtained: 01-06-2024
Date published: 14-06-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	110	no ⁴
total suspended solids	mg/L	on bypass	120	58	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	4	24	83.25	110
faecal coliforms	CFU/100mL	on bypass	4	480	1347620	4,300,000
total suspended solids	mg/L	on bypass	4	19	40	58

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

⁴ Biochemical oxygen demand exceedance on 6 May. Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather from 5 to 6 April resulted in plant operating under Environmental Protection Licence wet weather requirements.

Fairfield Water Resource Recovery Facility

April Pollution Monitoring Summary

EPL 372



Summary period: 01-04-2024 to 30-04-2024
Date obtained: 01-05-2024
Date published: 13-05-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	140	no ³
total suspended solids	mg/L	on bypass	120	45	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	3	54	85.33	140
faecal coliforms	CFU/100mL	on bypass	3	220,000	340000	470,000
total suspended solids	mg/L	on bypass	3	28	37	45

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

³ Biochemical oxygen demand exceedance on 5 April. Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather from 5 to 6 April resulted in plant operating under Environmental Protection Licence wet weather requirements.

Fairfield Water Resource Recovery Facility

March Pollution Monitoring Summary

EPL 372



Summary period: 01-03-2024 to 31-03-2024
Date obtained: 01-04-2024
Date published: 11-04-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	-	-
total suspended solids	mg/L	on bypass	120	-	-

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	CFU/100mL	on bypass	0	-	-	-
total suspended solids	mg/L	on bypass	0	-	-	-

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24. There was no discharge from EPA ID 24 during the March monitoring period.

Fairfield Water Resource Recovery Facility

February Pollution Monitoring Summary

EPL 372



Summary period: 01-02-2024 to 29-02-2024
Date obtained: 04-03-2024
Date published: 15-03-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	120	no ²
total suspended solids	mg/L	on bypass	120	70	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are all owed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	2	110	115	120
faecal coliforms	CFU/100mL	on bypass	2	1,000,000	5500000	10,000,000
total suspended solids	mg/L	on bypass	2	24	47	70

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

¹ Biochemical oxygen demand exceedance on 6 February. Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather from 5 to 7 February resulted in plant operating under Environmental Protection Licence wet weather requirements.

² Biochemical oxygen demand exceedance on 20 February. Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather. Wet weather from 19 to 21 February resulted in plant operating under Environmental Protection Licence wet weather requirements.

Fairfield Water Resource Recovery Facility

January Pollution Monitoring Summary

EPL 372



Summary period: 01-01-2024 to 31-01-2024
Date obtained: 01-02-2024
Date published: 15-02-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	-	-
total suspended solids	mg/L	on bypass	120	-	-

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	CFU/100mL	on bypass	0	-	-	-
total suspended solids	mg/L	on bypass	0	-	-	-

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24. There was no discharge from EPA ID 24 during the January monitoring period.

Fairfield Water Resource Recovery Facility

December Pollution Monitoring Summary

EPL 372



Summary period: 01-12-2023 to 31-12-2023
Date obtained: 09-01-2024
Date published: 16-01-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	95	yes
total suspended solids	mg/L	on bypass	120	29	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	2	26	60.5	95
faecal coliforms	CFU/100mL	on bypass	2	560,000	930000	1,300,000
total suspended solids	mg/L	on bypass	2	16	23	29

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

Fairfield Water Resource Recovery Facility

November Pollution Monitoring Summary

EPL 372



Summary period: 01-11-2023 to 30-11-2023
Date obtained: 01-12-2023
Date published: 14-12-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	72	yes
total suspended solids	mg/L	on bypass	120	42	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	2	64	68	72
faecal coliforms	CFU/100mL	on bypass	2	530,000	965000	1,400,000
total suspended solids	mg/L	on bypass	2	26	34	42

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

Fairfield Water Resource Recovery Facility

October Pollution Monitoring Summary

EPL 372



Summary period: 01-10-2023 to 31-10-2023
Date obtained: 01-11-2023
Date published: 15-11-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	-	-
total suspended solids	mg/L	on bypass	120	-	-

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	CFU/100mL	on bypass	0	-	-	-
total suspended solids	mg/L	on bypass	0	-	-	-

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24. There was no discharge from EPA ID 24 during the October monitoring period.

Fairfield Water Resource Recovery Facility

September Pollution Monitoring Summary

EPL 372



Summary period: 01-09-2023 to 30-09-2023
Date obtained: 05-10-2023
Date published: 13-10-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	38	yes
total suspended solids	mg/L	on bypass	120	25	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	1	-	-	38
faecal coliforms	CFU/100mL	on bypass	1	-	-	360,000
total suspended solids	mg/L	on bypass	1	-	-	25

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24.

Fairfield Water Resource Recovery Facility

August Pollution Monitoring Summary

EPL 372



Summary period: 01-08-2023 to 31-08-2023
Date obtained: 01-09-2023
Date published: 14-09-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	-	-
total suspended solids	mg/L	on bypass	120	-	-

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	CFU/100mL	on bypass	0	-	-	-
total suspended solids	mg/L	on bypass	0	-	-	-

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24. There was no discharge from EPA ID 24 during the August monitoring period.

Fairfield Water Resource Recovery Facility

July Pollution Monitoring Summary

EPL 372



Summary period: 01-07-2023 to 31-07-2023
Date obtained: 01-08-2023
Date published: 15-08-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	-	-
total suspended solids	mg/L	on bypass	120	-	-

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are allowed to be exceeded during wet weather.

Table 2: Routine monitoring data

EPA Point 24 Site code FF0024 Overflow Point		Point description: Effluent channel				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	CFU/100mL	on bypass	0	-	-	-
total suspended solids	mg/L	on bypass	0	-	-	-

As per clause M2.4 under EPL 372, collection of samples is required from FF0024 after 3 hours of continuous discharge from EPA Point 24. There was no discharge from EPA ID 24 during the July monitoring period.