

Fairfield Water Resource Recovery Facility

June Pollution Monitoring Summary



EPL 372

Summary period: 01-06-2023 to 30-06-2023

Date obtained: 01-07-2023

Date published: 13-07-2023

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	-	-
carbonaceous 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	-	-	-
carbonaceous 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 June monitoring period.

Fairfield Water Resource Recovery Facility

May Pollution Monitoring Summary

EPL 372



Summary period: 01-05-2023 to 31-05-2023

Date obtained: 05-06-2023

Date published: 13-06-2023

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	-	-
carbonaceous 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	-	-	-
carbonaceous 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 May monitoring period.

Fairfield Water Resource Recovery Facility

April Pollution Monitoring Summary

EPL 372



Summary period: 01-04-2023 to 30-04-2023
 Date obtained: 06-05-2023
 Date published: 16-05-2023

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	47	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	46	yes
total suspended solids	mg/L	on bypass	120	30	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	-	-	47
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	46
faecal coliforms	CFU/100mL	on bypass	1	-	-	170,000
total suspended solids	mg/L	on bypass	1	-	-	30

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

March Pollution Monitoring Summary

EPL 372



Summary period: 01-03-2023 to 31-03-2023

Date obtained: 01-04-2023

Date published: 16-05-2023

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	-	-
carbonaceous 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	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	FU/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: 01-02-2023 to 28-02-2023

Date obtained: 02-03-2023

Date published: 13-03-2023

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	40	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	39	yes
total suspended solids	mg/L	on bypass	120	46	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	-	-	40
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	39
faecal coliforms	CFU/100mL	on bypass	1	-	-	510,000
total suspended solids	mg/L	on bypass	1	-	-	46

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

January Pollution Monitoring Summary

EPL 372



Summary period: 01-01-2023 to 31-01-2023
 Date obtained: 08-02-2023
 Date published: 15-02-2023

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	100	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	77	yes
total suspended solids	mg/L	on bypass	120	48	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	40	65.33	100
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	40	53	77
faecal coliforms	CFU/100mL	on bypass	3	63,000	437667	1,000,000
total suspended solids	mg/L	on bypass	3	22	33	48

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

December Pollution Monitoring Summary

EPL 372



Summary period: 01-12-2022 to 31-12-2022
 Date obtained: 16-01-2023
 Date published: 18-01-2023

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	-	-
carbonaceous 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	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	FU/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 December monitoring period.

Fairfield Water Resource Recovery Facility

November Pollution Monitoring Summary

EPL 372



Summary period: 01-11-2022 to 30-11-2022

Date obtained: 21-11-2022

Date published: 05-12-2022

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	77	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	52	yes
total suspended solids	mg/L	on bypass	120	92	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	-	-	77
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	52
faecal coliforms	FU/100mL	on bypass	1	-	-	2,500,000
total suspended solids	mg/L	on bypass	1	-	-	92

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: 01-10-2022 to 31-10-2022

Date obtained: 01-11-2022

Date published: 09-11-2022

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	150	no ²
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	140	no ²
total suspended solids	mg/L	on bypass	120	89	yes

²Under 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 on 6th October resulted in plant operating under Environmental Protection Licence wet weather requirements.

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	5	48	85	150
carbonaceous biochemical oxygen demand	mg/L	on bypass	5	35	77	140
faecal coliforms	FU/100mL	on bypass	5	17,000	860,800	2,300,000
total suspended solids	mg/L	on bypass	5	27	48	89

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

September Pollution Monitoring Summary

EPL 372



Summary period: 01-09-2022 to 30-09-2022

Date obtained: 10-10-2022

Date published: 21-10-2022

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	-	-
carbonaceous 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	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	FU/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 September monitoring period.

Fairfield Water Resource Recovery Facility

August Pollution Monitoring Summary

EPL 372



Summary period: 01-08-2022 to 31-08-2022

Date obtained: 12-09-2022

Date published: 15-09-2022

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	-	-
carbonaceous 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	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	0	-	-	-
faecal coliforms	FU/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: 01-07-2022 to 31-07-2022

Date obtained: 07-12-2022

Date published: 22-12-2022

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 ¹
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	130	no ¹
total suspended solids	mg/L	on bypass	120	59	yes

¹Under 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 on 1-7 July resulted in plant operating under Environmental Protection Licence wet weather requirements.

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	7	35	77.4	140
carbonaceous biochemical oxygen demand	mg/L	on bypass	7	31	70	130
faecal coliforms	FU/100mL	on bypass	7	180,000	1,488,571	3,200,000
total suspended solids	mg/L	on bypass	7	33	47	59

Wet weather on 1-7 July resulted in plant operating under Environmental Protection Licence wet weather requirements.

**Fairfield Water Resource Recovery Facility
Pollution Monitoring Summary Correction Log**

EPL 372

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124



EPA Point 24	Point description: Effluent channel												
Site code FF0024	unit of measure	Original data				Corrected data				Date corrected	Date originally published	Monthly report	Reason
Pollutant		number of samples	minimum	mean	maximum	number of samples	minimum	mean	maximum				
biochemical oxygen demand	mg/L	6	55	84.5		7	35	77		22-12-22	8-8-22	July	Incorrect: number of samples, min and mean result reported
carbonaceous biochemical oxygen demand	mg/L	6	51	77		7	31	70		22-12-22	8-8-22	July	Incorrect: number of samples, min and mean result reported
faecal coliforms	CFU/100mL	6		1596667		7		1488571		22-12-22	8-8-22	July	Incorrect: number of samples and mean result reported
total suspended solids	mg/L	6		46		7		47		22-12-22	8-8-22	July	Incorrect: number of samples and mean result reported