

# Fairfield Wastewater Treatment Plant

## June Pollution Monitoring Summary

### EPL 372



Summary period: 01-06-2022 to 30-06-2022

Date obtained: 15-07-2022

Date published: 19-07-2022

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
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
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 Wastewater Treatment Plant

## May Pollution Monitoring Summary

### EPL 372



Summary period: 01-05-2022 to 31-05-2022

Date obtained: 07-06-2022

Date published: 20-06-2022

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	230	no <sup>1</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	220	no <sup>1</sup>
total suspended solids	mg/L	on bypass	120	120	yes

<sup>1</sup>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 on 11-13 and 21-24 May 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	8	52	117	230
carbonaceous biochemical oxygen demand	mg/L	on bypass	8	51	96	220
faecal coliforms	CFU/100mL	on bypass	8	83,000	2547875	4,100,000
total suspended solids	mg/L	on bypass	8	36	62	120

Wet weather on 11-13 and 21-24 May resulted in plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## April Pollution Monitoring Summary

### EPL 372



Summary period: 01-04-2022 to 26-04-2022

Date obtained: 15-04-2022

Date published: 28-04-2022

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	130	no <sup>1</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	120	no <sup>1</sup>
total suspended solids	mg/L	on bypass	120	130	no <sup>1</sup>

<sup>1</sup> 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 on 6-8 April 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	5	24	85.4	130
carbonaceous biochemical oxygen demand	mg/L	on bypass	5	24	80	120
faecal coliforms	CFU/100mL	on bypass	5	280,000	3336000	10,000,000
total suspended solids	mg/L	on bypass	5	30	57	130

Wet weather on 6-8 April resulted in plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## March Pollution Monitoring Summary

### EPL 372



Summary period: 01-03-2022 to 31-03-2022

Date obtained: 08-04-2022

Date published: 15-04-2022

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	250	no <sup>1</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	250	no <sup>1</sup>
total suspended solids	mg/L	on bypass	120	98	yes

<sup>1</sup>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 on 1-10, 16, 19, and 26-31 March 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	21	31	85.71	250
carbonaceous biochemical oxygen demand	mg/L	on bypass	21	28	77	250
faecal coliforms	CFU/100mL	on bypass	21	390,000	5224762	20,000,000
total suspended solids	mg/L	on bypass	21	56	77	98

Wet weather on 1-10, 16, 19, and 26-31 March resulted in plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## February Pollution Monitoring Summary

### EPL 372



Summary period: 01-02-2022 to 28-02-2022

Date obtained: 14-03-2022

Date published: 24-03-2022

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

<sup>1</sup>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 on 2, 7, and 22-28 February 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	10	30	91.6	130
carbonaceous biochemical oxygen demand	mg/L	on bypass	10	23	79	130
faecal coliforms	CFU/100mL	on bypass	10	1,200,000	3240000	5,000,000
total suspended solids	mg/L	on bypass	10	31	67	100

Wet weather on 2, 7, and 22-28 February resulted in plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## January Pollution Monitoring Summary

### EPL 372



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

Date obtained: 28-01-2022

Date published: 11-02-2022

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	660	no <sup>1</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	610	no <sup>1</sup>
total suspended solids	mg/L	on bypass	120	62	yes

<sup>1</sup> 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 on 6-8 and 12-13 January 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	5	16	244.2	660
carbonaceous biochemical oxygen demand	mg/L	on bypass	5	13	210	610
faecal coliforms	CFU/100mL	on bypass	5	48,000	3,941,600	10,000,000
total suspended solids	mg/L	on bypass	5	28	45	62

Wet weather on 6-8 and 12-13 January resulted in plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## December Pollution Monitoring Summary

### EPL 372



Summary period: 01-12-2021 to 31-12-2021

Date obtained: 30-12-2021

Date published: 12-01-2022

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	57	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	53	yes
total suspended solids	mg/L	on bypass	120	55	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. Wet weather on 9-10 December resulted in the 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	2	56	56.5	57
carbonaceous biochemical oxygen demand	mg/L	on bypass	2	44	49	53
faecal coliforms	CFU/100mL	on bypass	2	140,000	200,000	260,000
total suspended solids	mg/L	on bypass	2	41	48	55

Wet weather on 9-10 December resulted in the plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## November Pollution Monitoring Summary

### EPL 372



Summary period: 01-11-2021 to 30-11-2021

Date obtained: 07-12-2021

Date published: 11-12-2021

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 <sup>1</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	120	no <sup>1</sup>
total suspended solids	mg/L	on bypass	120	65	yes

<sup>1</sup>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 on 10-12, 21-22, and 25-27 November resulted in the 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	8	30	74.5	120
carbonaceous biochemical oxygen demand	mg/L	on bypass	8	14	66	120
faecal coliforms	CFU/100mL	on bypass	8	200,000	4356250	21,000,000
total suspended solids	mg/L	on bypass	8	15	40	65

Wet weather on 10-12, 21-22, and 25-27 November resulted in the plant operating under Environmental Protection Licence wet weather requirements.



# Fairfield Wastewater Treatment Plant

## October Pollution Monitoring Summary

### EPL 372



Summary period: 01-10-2021 to 31-10-2021

Date obtained: 01-11-2021

Date published: 07-11-2021

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
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
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 October monitoring period.

# Fairfield Wastewater Treatment Plant

## September Pollution Monitoring Summary

### EPL 372



Summary period: 01-09-2021 to 30-09-2021

Date obtained: 01-10-2021

Date published: 07-10-2021

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
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
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 September monitoring period.

# Fairfield Wastewater Treatment Plant

## August Pollution Monitoring Summary

### EPL 372



Summary period: 01-08-2021 to 31-08-2021  
 Date obtained: 30-08-2021  
 Date published: 22-09-2021

**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	73	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	72	yes
total suspended solids	mg/L	on bypass	120	100	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. Wet weather on 24th and 25th August resulted in the plant operating under Environment 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	2	14	43.5	73
carbonaceous biochemical oxygen demand	mg/L	on bypass	2	14	43	72
faecal coliforms	CFU/100mL	on bypass	2	290,000	325,000	360,000
total suspended solids	mg/L	on bypass	2	48	74	100

Wet weather on 24th and 25th August resulted in the plant operating under Environmental Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## July Pollution Monitoring Summary

### EPL 372



Summary period: 01-07-2021 to 31-07-2021

Date obtained: 01-08-2021

Date published: 07-08-2021

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
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
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 July monitoring period.