

# Fairfield Wastewater Treatment Plant

## February Pollution Monitoring Summary

### EPL 372



Summary period: 01-02-2021 to 28-02-2021

Date obtained: 22-02-2021

Date published: 05-03-2021

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		sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	81	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	82	yes
total suspended solids	mg/L	on bypass	120	24	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	27	54	81
carbonaceous biochemical oxygen demand	mg/L	on bypass	2	26	54	82
faecal coliforms	CFU/100mL	on bypass	2	150,000	235,000	320,000
total suspended solids	mg/L	on bypass	2	18	21	24

Wet weather on 2 and 13 January resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## January Pollution Monitoring Summary

### EPL 372



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

Date obtained: 01-02-2021

Date published: 23-02-2021

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	240	no <sup>2</sup>
total suspended solids	mg/L	on bypass	120	140	no <sup>2</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 7,9-10 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
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 January monitoring period.

# Fairfield Wastewater Treatment Plant

## December Pollution Monitoring Summary

### EPL 372



Summary period: 01-12-2020 to 31-12-2020

Date obtained: 31-12-2020

Date published: 11-01-2021

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	11	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	12	yes
total suspended solids	mg/L	on bypass	120	12	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	-	-	11
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	12
faecal coliforms	CFU/100mL	on bypass	1	-	-	2,200
total suspended solids	mg/L	on bypass	1	-	-	12

Wet weather on 22 December resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## November Pollution Monitoring Summary

### EPL 372



Summary period: 01-11-2020 to 30-11-2020  
 Date obtained: 30-11-2020  
 Date published: 30-11-2020

**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	240	no <sup>2</sup>
total suspended solids	mg/L	on bypass	120	140	no <sup>2</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 7,9-10 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
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 November monitoring period.

# Fairfield Wastewater Treatment Plant

## October Pollution Monitoring Summary

### EPL 372



Summary period: 01-10-2020 to 31-10-2020  
 Date obtained: 31-10-2020  
 Date published: 13-11-2020

**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	240	no <sup>2</sup>
total suspended solids	mg/L	on bypass	120	140	no <sup>2</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 7,9-10 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
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: 01-09-2020 to 30-09-2020

Date obtained: 30-09-2020

Date published: 12-10-2020

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	240	no <sup>2</sup>
total suspended solids	mg/L	on bypass	120	140	no <sup>2</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 7,9-10 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
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: 01-08-2020 to 31-08-2020  
 Date obtained: 24-08-2020  
 Date published: 01-09-2020

**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	240	no <sup>2</sup>
total suspended solids	mg/L	on bypass	120	140	no <sup>2</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 7,9-10 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
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	31	120	240
faecal coliforms	CFU/100mL	on bypass	3	43,000	787667	1,800,000
total suspended solids	mg/L	on bypass	3	66	95	140

Wet weather on 7,9-10 August resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Fairfield Wastewater Treatment Plant

## July Pollution Monitoring Summary

### EPL 372



Summary period: 01-07-2020 to 31-07-2020

Date obtained: 10-08-2020

Date published: 14-08-2020

**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	74	yes
total suspended solids	mg/L	on bypass	120	68	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
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	52	65	74
faecal coliforms	CFU/100mL	on bypass	3	200,000	676667	970,000
total suspended solids	mg/L	on bypass	3	43	51	68

Wet weather on 26-28 July resulted in the plant operating under Environment Protection Licence wet weather requirements.