

Fairfield Wastewater Treatment Plant

May Pollution Monitoring Summary

EPL 372



Summary period: 01-05-2021 to 31-05-2021

Date obtained: 18-05-2021

Date published: 31-05-2021

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	100	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	100	yes
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	3	45	81.33	100
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	34	78	100
faecal coliforms	CFU/100mL	on bypass	3	680,000	893333	1,000,000
total suspended solids	mg/L	on bypass	3	45	52	58

Wet weather on 6th and 7th May resulted in the plant operating under Environment Protection Licence wet weather requirements.

Fairfield Wastewater Treatment Plant

April Pollution Monitoring Summary

EPL 372



Summary period: 01-04-2021 to 30-04-2021
 Date obtained: 13-05-2021
 Date published: 17-05-2021

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	-	-
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	-	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	-	-	-	-
faecal coliforms	CFU/100mL	on bypass	-	-	-	-
total suspended solids	mg/L	on bypass	-	-	-	-

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 April monitoring period.

Fairfield Wastewater Treatment Plant

March Pollution Monitoring Summary

EPL 372



Summary period: 01-03-2021 to 31-03-2021

Date obtained: 31-03-2021

Date published: 09-04-2021

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	88	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	88	yes
total suspended solids	mg/L	on bypass	120	88	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 19th-23rd March 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	10	20	49.3	88
carbonaceous biochemical oxygen demand	mg/L	on bypass	10	20	49	88
faecal coliforms	CFU/100mL	on bypass	10	800	764080	2,400,000
total suspended solids	mg/L	on bypass	10	4	40	88

Wet weather on 19th-23rd March resulted in the plant operating under Environment Protection Licence wet weather requirements.

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 February 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
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	-	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	-	-	-	-
faecal coliforms	CFU/100mL	on bypass	-	-	-	-
total suspended solids	mg/L	on bypass	-	-	-	-

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 31-01-2020

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
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	-	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	-	-	-	-
faecal coliforms	CFU/100mL	on bypass	-	-	-	-
total suspended solids	mg/L	on bypass	-	-	-	-

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
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	-	-	-	-
carbonaceous biochemical oxygen demand	mg/L	on bypass	-	-	-	-
faecal coliforms	CFU/100mL	on bypass	-	-	-	-
total suspended solids	mg/L	on bypass	-	-	-	-

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	-	-
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. 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 ²
total suspended solids	mg/L	on bypass	120	140	no ²

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.