

# Liverpool Water Resource Recovery Facility

## March Pollution Monitoring Summary

### EPL 372



Summary period: 01-03-2025 to 31-03-2025

Date obtained: 07-04-2025

Date published: 15-04-2025

**Licensee:** Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	29	yes
total suspended solids	mg/L	on bypass	100	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	3	22	25.67	29
faecal coliforms	CFU/100mL	on bypass	3	300,000	536667	790,000
total suspended solids	mg/L	on bypass	3	25	28	30

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15.

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	6	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	6

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81. There was no discharge from EPA ID 81 during the March monitoring period.

# Liverpool Water Resource Recovery Facility

## February Pollution Monitoring Summary

### EPL 372



Summary period: 01-02-2025 to 28-02-2025

Date obtained: 01-03-2025

Date published: 15-03-2025

**Licensee:** Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	76	yes
total suspended solids	mg/L	on bypass	100	39	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	3	40	52	76
faecal coliforms	CFU/100mL	on bypass	3	790,000	3,063,333	4,500,000
total suspended solids	mg/L	on bypass	3	35	38	39

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15.

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	9	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	9

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81. There was no discharge from EPA ID 81 during the February monitoring period.

# Liverpool Water Resource Recovery Facility

## January Pollution Monitoring Summary

### EPL 372



Summary period: 01-01-2025 to 31-01-2025

Date obtained: 06-02-2025

Date published: 14-02-2025

**Licensee:** Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	200	no <sup>4</sup>
total suspended solids	mg/L	on bypass	100	47	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	11	26	72	200
faecal coliforms	CFU/100mL	on bypass	11	100,000	2,701,818	5,900,000
total suspended solids	mg/L	on bypass	11	20	30	47

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15.

<sup>4</sup> Biochemical oxygen demand exceedance on 11 January. 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.

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	7	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	7

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

# Liverpool Water Resource Recovery Facility

## January Pollution Monitoring Summary

### EPL 372



Summary period: 01-01-2025 to 31-01-2025  
Date obtained: 06-02-2025  
Date published: 14-02-2025

**Licensee:** Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 81 Site code LP0081 Overflow Point	Point description: Overflow chamber downstream of chlorine contact tank				
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	19	yes
total suspended solids	mg/L	on bypass	100	36	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 81 Site code LP0081 Overflow Point	Point description: Overflow chamber downstream of chlorine contact tank					
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	1	-	-	19
faecal coliforms	CFU/100mL	on bypass	1	-	-	880,000
total suspended solids	mg/L	on bypass	1	-	-	36

As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81.

# Liverpool Water Resource Recovery Facility

## December Pollution Monitoring Summary

### EPL 372



Summary period: 01-12-2024 to 31-12-2024  
Date obtained: 01-01-2025  
Date published: 15-01-2025

Licensee: Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	62	yes
total suspended solids	mg/L	on bypass	100	70	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	4	27	47.5	62
faecal coliforms	CFU/100mL	on bypass	4	2,700,000	3,725,000	4,600,000
total suspended solids	mg/L	on bypass	4	24	49	70

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	12	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	12

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15.  
As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81.  
There was no discharge from EPA ID 81 during the December monitoring period.

# Liverpool Water Resource Recovery Facility

## November Pollution Monitoring Summary

### EPL 372



Summary period: 01-11-2024 to 30-11-2024  
Date obtained: 01-12-2024  
Date published: 13-12-2024

**Licensee:** Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

**Table 1: 100 percentile data**

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	4	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	4

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15  
There was no discharge from EPA ID 15 during the November monitoring period.

As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81  
There was no discharge from EPA ID 81 during the November monitoring period.

# Liverpool Water Resource Recovery Facility

## October Pollution Monitoring Summary

### EPL 372



Summary period: 01-10-2024 to 31-10-2024  
Date obtained: 01-11-2024  
Date published: 15-11-2024

Licensee: Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	86	yes
total suspended solids	mg/L	on bypass	100	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	4	18	52	86
faecal coliforms	CFU/100mL	on bypass	4	610,000	3,777,500	7,700,000
total suspended solids	mg/L	on bypass	4	10	18	24

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	4	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	4

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15. As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81. There was no discharge from EPA ID 81 during the October monitoring period.



# Liverpool Water Resource Recovery Facility

## September Pollution Monitoring Summary

### EPL 372



Summary period: 01-09-2024 to 30-09-2024  
Date obtained: 09-10-2024  
Date published: 15-10-2024

Licensee: Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	42	yes
total suspended solids	mg/L	on bypass	100	14	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	3	13	30	42
faecal coliforms	CFU/100mL	on bypass	3	110,000	4,370,000	10,000,000
total suspended solids	mg/L	on bypass	3	6	11	14

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	5	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	5

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15. As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81. There was no discharge from EPA ID 81 during the September monitoring period.



# Liverpool Water Resource Recovery Facility

## August Pollution Monitoring Summary

### EPL 372



Summary period: 01-08-2024 to 31-08-2024  
Date obtained: 01-09-2024  
Date published: 13-09-2024

**Licensee:** Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	74	yes
total suspended solids	mg/L	on bypass	100	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	5	19	54	74
faecal coliforms	CFU/100mL	on bypass	5	200,000	2,540,000	5,100,000
total suspended solids	mg/L	on bypass	5	14	23	29

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	5	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	5

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15.

As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81. There was no discharge from EPA ID 81 during the August monitoring period.

# Liverpool Water Resource Recovery Facility

## July Pollution Monitoring Summary

### EPL 372



Summary period: 01-07-2024 to 31-07-2024  
Date obtained: 06-08-2024  
Date published: 20-08-2024

Licensee: Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	240	no <sup>1</sup>
total suspended solids	mg/L	on bypass	100	50	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 15 Site code LP0015 Overflow Point		Point description: Effluent diversion structure at Chipping Norton				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	13	50	80	240
faecal coliforms	CFU/100mL	on bypass	13	1,000,000	3,700,000	9,900,000
total suspended solids	mg/L	on bypass	13	19	32	50

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	monthly during discharge	100	-	no <sup>2</sup>
total suspended solids	mg/L	monthly during discharge	100	-	no <sup>3</sup>

100 percentile means that 100% of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	monthly during discharge	0	-	-	-
total suspended solids	mg/L	monthly during discharge	0	-	-	-

Average and percentile limits are only applied annually for routine monitoring data in Table 2.  
As per clause M2.4 under EPL 372, collection of samples is required from LP0015 after 3 hours of continuous discharge from EPA Point 15.  
As per clause M2.4 under EPL 372, collection of samples is required from LP0081 after 3 hours of continuous discharge from EPA Point 81.  
There was no discharge from EPA ID 81 during the July monitoring period.

<sup>1</sup> Biochemical oxygen demand exceedance on 4 July. 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.

<sup>2,3</sup> Biochemical oxygen demand and total suspended solid limits were exceeded on the 10th July. There was no discharge from LP0076 during the month of July and flows were returned into the Malabar STS stream.