

# Liverpool Water Resource Recovery Facility

## August Pollution Monitoring Summary

### EPL 372



Summary period: 01-08-2025 to 31-08-2025

Date obtained: 01-09-2025

Date published: 12-09-2025

**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	190	no <sup>2</sup>
total suspended solids	mg/L	on bypass	100	260	no <sup>3</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.

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	20	16	65.25	190
faecal coliforms	CFU/100mL	on bypass	20	130	2,068,007	5,100,000
total suspended solids	mg/L	on bypass	20	24	75	260

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.

<sup>2</sup> Biochemical oxygen demand exceedances on the 15<sup>th</sup>, 16<sup>th</sup> and 17<sup>th</sup> of August. 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>3</sup> Total suspended solids exceedances on the 9<sup>th</sup>, 15<sup>th</sup>, 20<sup>th</sup> and 24<sup>th</sup> of August. 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	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.

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### EPL 372



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**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	61	yes
total suspended solids	mg/L	on bypass	100	61	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	5	26	39.2	61
faecal coliforms	CFU/100mL	on bypass	5	160,000	1,512,000	2,700,000
total suspended solids	mg/L	on bypass	5	29	43	61

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.

# Liverpool Water Resource Recovery Facility

## July Pollution Monitoring Summary

### EPL 372



Summary period: 01-07-2025 to 31-07-2025

Date obtained: 08-08-2025

Date published: 15-08-2025

**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	57	yes
total suspended solids	mg/L	on bypass	100	110	no <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.

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	25	38.8	57
faecal coliforms	CFU/100mL	on bypass	5	190,000	1,184,000	2,600,000
total suspended solids	mg/L	on bypass	5	24	50	110

Table 1: 100 percentile data

EPA Point 76 Site code LP0076		Point description: Chlorine contact tank adjacent to reuse pumps				within limits
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual		
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 July monitoring period.

<sup>1</sup> Total suspended solids exceedance on the 31<sup>st</sup> of 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.