

# Liverpool 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 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
carbonaceous 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
carbonaceous 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. There was no discharge from EPA ID 15 during the June 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 June monitoring period.

# Liverpool Wastewater Treatment Plant

## May Pollution Monitoring Summary

### EPL 372



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

Date obtained: 08-06-2022

Date published: 17-06-2022

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	43	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	33	yes
total suspended solids	mg/L	on bypass	100	42	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 11-14 and 21-25 MY resulted in plant operating under Environmental Protection Licence wet weather requirements.

**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	8	18	27.88	43
carbonaceous biochemical oxygen demand	mg/L	on bypass	8	10	18	33
faecal coliforms	CFU/100mL	on bypass	8	<1	825079	3,500,000
total suspended solids	mg/L	on bypass	8	16	28	42

Wet weather on 11-14 and 21-25 MY 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
carbonaceous 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
carbonaceous 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.

# Liverpool Wastewater Treatment Plant

## April Pollution Monitoring Summary

### EPL 372



Summary period: 01-04-2022 to 26-04-2022  
 Date obtained: 19-04-2022  
 Date published: 28-04-2022

**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	60	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	55	yes
total suspended solids	mg/L	on bypass	100	44	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 6-8 April resulted in plant operating under Environmental Protection Licence wet weather requirements.

**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	9	19	32.78	60
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	12	26	55
faecal coliforms	CFU/100mL	on bypass	9	1,900	2189100	3,600,000
total suspended solids	mg/L	on bypass	9	18	25	44

Wet weather on 6-8 April 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	3	yes
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	2	yes
total suspended solids	mg/L	monthly during discharge	100	3	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	-	-	3
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	2
total suspended solids	mg/L	monthly during discharge	1	-	-	3

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

# Liverpool Wastewater Treatment Plant

## April Pollution Monitoring Summary

### EPL 372



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

Date obtained: 19-04-2022

Date published: 28-04-2022

**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	16	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	16	yes
total suspended solids	mg/L	on bypass	100	31	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 6-8 April resulted in plant operating under Environmental Protection Licence wet weather requirements.

**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	2	13	14.5	16
carbonaceous biochemical oxygen demand	mg/L	on bypass	2	13	15	16
faecal coliforms	CFU/100mL	on bypass	2	52,000	86000	120,000
total suspended solids	mg/L	on bypass	2	29	30	31

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

# Liverpool 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: 21-04-2022

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	310	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	100	200	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 1-13, 16-19, and 24-31 March resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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	24	7	43.04	310
carbonaceous biochemical oxygen demand	mg/L	on bypass	24	7	33	250
faecal coliforms	CFU/100mL	on bypass	24	760,000	2608333	7,000,000
total suspended solids	mg/L	on bypass	24	14	43	200

Wet weather on 1-13, 16-19, and 24-31 March resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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	3	yes
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	2	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	-	-	3
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	2

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

# Liverpool 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: 21-04-2022

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	35	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	27	yes
total suspended solids	mg/L	on bypass	100	54	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 1-29 and 26-30 March resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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	9	<2	15.67	35
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	<2	14	27
faecal coliforms	CFU/100mL	on bypass	9	<1	108923	610,000
total suspended solids	mg/L	on bypass	9	22	33	54

Wet weather on 1-29 and 26-30 March resulted in the plant operating under Environmental Protection Licence wet weather conditions.

# Liverpool Wastewater Treatment Plant

## February Pollution Monitoring Summary

### EPL 372



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

Date obtained: 15-03-2022

Date published: 24-03-2022

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	40	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	36	yes
total suspended solids	mg/L	on bypass	100	52	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 2, 12-14 and 23-28 February resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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	9	12	22.89	40
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	10	19	36
faecal coliforms	CFU/100mL	on bypass	9	500,000	2124444	4,800,000
total suspended solids	mg/L	on bypass	9	11	27	52

Wet weather on 2, 12-14 and 23-28 February resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	2	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	2

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

# Liverpool Wastewater Treatment Plant February Pollution Monitoring Summary



EPL 372

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

Date obtained: 15-03-2022

Date published: 24-03-2022

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	22	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	18	yes
total suspended solids	mg/L	on bypass	100	43	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 23-28 February resulted in the plant operating under Environment Protection Licence wet weather requirements.

**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	3	<2	12.33	22
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	<2	11	18
faecal coliforms	CFU/100mL	on bypass	3	10	8337	24,000
total suspended solids	mg/L	on bypass	3	22	31	43

Wet weather on 23-28 February resulted in the plant operating under Environment Protection Licence wet weather requirements.



# Liverpool Wastewater Treatment Plant

## January Pollution Monitoring Summary

### EPL 372



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

Date obtained: 01-02-2022

Date published: 11-02-2022

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	79	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	75	yes
total suspended solids	mg/L	on bypass	100	34	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 13-14 and 19-20 January resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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	15	11	43.13	79
carbonaceous biochemical oxygen demand	mg/L	on bypass	15	6	33	75
faecal coliforms	CFU/100mL	on bypass	15	1	1209299	3,500,000
total suspended solids	mg/L	on bypass	15	13	22	34

Wet weather on 13-14 and 19-20 January resulted in the plant operating under Environmental Protection Licence wet weather conditions.

**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
carbonaceous 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
carbonaceous 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.

# Liverpool Wastewater Treatment Plant January Pollution Monitoring Summary

EPL 372



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

Date obtained: 01-02-2022

Date published: 11-02-2022

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	1,900	no <sup>2</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	1,800	no <sup>2</sup>
total suspended solids	mg/L	on bypass	100	34	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 13-14 January resulted in the plant operating under Environment Protection Licence wet weather requirements.

**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	-	-	1,900
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	1,800
faecal coliforms	CFU/100mL	on bypass	1	-	-	650,000
total suspended solids	mg/L	on bypass	1	-	-	34

Wet weather on 13-14 January resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Liverpool 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 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	110	no <sup>1</sup>
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	64	yes
total suspended solids	mg/L	on bypass	100	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 10-13 December resulted in the plant operating under Environment Protection Licence wet weather requirements.

**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	66.2	110
carbonaceous biochemical oxygen demand	mg/L	on bypass	5	18	35	64
faecal coliforms	CFU/100mL	on bypass	5	680,000	3276000	5,500,000
total suspended solids	mg/L	on bypass	5	12	49	100

Wet weather on 10-13 December resulted in the plant operating under Environment 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
carbonaceous 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
carbonaceous 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.

# Liverpool 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 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	31	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	31	yes
total suspended solids	mg/L	on bypass	100	26	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are all owed to be exceeded during wet weather. Wet weather on 10-13 December resulted in the plant operating under Environment Protection Licence wet weather requirements.

**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	-	-	31
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	31
faecal coliforms	CFU/100mL	on bypass	1	-	-	86
total suspended solids	mg/L	on bypass	1	-	-	26

Wet weather on 10-13 December resulted in the plant operating under Environment Protection Licence wet weather requirements.

# Liverpool Wastewater Treatment Plant

## November Pollution Monitoring Summary

### EPL 372



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

Date obtained: 10-12-2021

Date published: 17-12-2021

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	100	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	47	yes
total suspended solids	mg/L	on bypass	100	38	yes

Under Environment Protection Licence 372 conditions, as set by the NSW Environment Protection Authority, the 100 percentile limits are all owed to be exceeded during wet weather. Wet weather on 5, 12, and 21-27 November resulted in the plant operating under Environment Protection Licence wet weather requirements.

**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	15	7	30.87	100
carbonaceous biochemical oxygen demand	mg/L	on bypass	15	7	22	47
faecal coliforms	CFU/100mL	on bypass	15	1,300	2878087	5,100,000
total suspended solids	mg/L	on bypass	15	11	20	38

Wet weather on 5, 12, and 21-27 November resulted in the plant operating under Environment 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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	<2	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	<2

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

# Liverpool 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: 12-11-2021

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	37	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	28	yes
total suspended solids	mg/L	on bypass	100	38	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 14th October resulted in the plant operating under Environment Protection Licence wet weather requirements.

**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	33.8	37
carbonaceous biochemical oxygen demand	mg/L	on bypass	5	8	20	28
faecal coliforms	CFU/100mL	on bypass	5	460,000	1752000	2,500,000
total suspended solids	mg/L	on bypass	5	14	26	38

Wet weather on 14th October resulted in the plant operating under Environment 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	13	yes
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	4	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	-	-	13
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	4
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.

# Liverpool Wastewater Treatment Plant

## September Pollution Monitoring Summary

### EPL 372



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

Date obtained: 20-09-2021

Date published: 01-10-2021

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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	8	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	8

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 September 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 September monitoring period.

# Liverpool Wastewater Treatment Plant

## August Pollution Monitoring Summary

### EPL 372

Summary period: 01-08-2021 to 31-08-2021

Date obtained: 03-09-2021

Date published: 13-09-2021

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	34	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	17	yes
total suspended solids	mg/L	on bypass	100	21	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 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	11	22.67	34
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	11	15	17
faecal coliforms	CFU/100mL	on bypass	3	8,200	369400	800,000
total suspended solids	mg/L	on bypass	3	17	19	21

Wet weather on 24th and 25th August resulted in the plant operating under Environment 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
carbonaceous 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
carbonaceous 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.



# Liverpool Wastewater Treatment Plant

## August Pollution Monitoring Summary

### EPL 372

Summary period: 01-08-2021 to 31-08-2021

Date obtained: 03-09-2021

Date published: 13-09-2021

**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	31	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	20	yes
total suspended solids	mg/L	on bypass	100	31	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 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	-	-	31
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	20
faecal coliforms	CFU/100mL	on bypass	1	-	-	210,000
total suspended solids	mg/L	on bypass	1	-	-	31

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

# Liverpool Wastewater Treatment Plant

## July Pollution Monitoring Summary

### EPL 372



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

Date obtained: 23-07-2021

Date published: 02-08-2021

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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	<2	yes
total suspended solids	mg/L	monthly during discharge	100	3	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2
total suspended solids	mg/L	monthly during discharge	1	-	-	3

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 1 5. There was no discharge from EPA ID 15 during the July 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 8 1. There was no discharge from EPA ID 81 during the July monitoring period.