

# Liverpool Wastewater Treatment Plant

## May Pollution Monitoring Summary

### EPL 372



Summary period: 01-05-2020 to 31-05-2020

Date obtained: 09-06-2020

Date published: 11-06-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	54	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
carbonaceous biochemical oxygen demand	mg/L	on bypass	4	17	37	54
faecal coliforms	CFU/100mL	on bypass	4	45	1142511	3,500,000
total suspended solids	mg/L	on bypass	4	16	26	30

**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
carbonaceous 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
carbonaceous 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.

# Liverpool Wastewater Treatment Plant May Pollution Monitoring Summary

EPL 372



Summary period: 01-05-2020 to 31-05-2020

Date obtained: 09-06-2020

Date published: 14-06-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	33	yes
total suspended solids	mg/L	on bypass	100	16	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
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	33
faecal coliforms	CFU/100mL	on bypass	1	-	-	25,000
total suspended solids	mg/L	on bypass	1	-	-	16

# Liverpool Wastewater Treatment Plant

## April Pollution Monitoring Summary

### EPL 372



Summary period: 01-04-2020 to 30-04-2020

Date obtained: 14-04-2020

Date published: 27-04-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	33	yes
total suspended solids	mg/L	on bypass	100	20	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
carbonaceous biochemical oxygen demand	mg/L	on bypass	3	30	32	33
faecal coliforms	CFU/100mL	on bypass	3	660	2100220	3,800,000
total suspended solids	mg/L	on bypass	3	17	19	20

**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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	3	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	3
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

## March Pollution Monitoring Summary

### EPL 372



Summary period: 01-03-2020 to 31-03-2020

Date obtained: 07-04-2020

Date published: 15-04-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	190	no <sup>2</sup>
total suspended solids	mg/L	on bypass	100	140	no <sup>2</sup>

<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.

**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
carbonaceous biochemical oxygen demand	mg/L	on bypass	11	17	50	190
faecal coliforms	CFU/100mL	on bypass	11	520,000	2058182	5,400,000
total suspended solids	mg/L	on bypass	11	14	48	140

**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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	3	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	3
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

## February Pollution Monitoring Summary

### EPL 372



Summary period: 01-02-2020 to 29-02-2020

Date obtained: 13-03-2020

Date published: 27-03-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	150	no <sup>2</sup>
total suspended solids	mg/L	on bypass	100	56	yes

<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.

**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
carbonaceous biochemical oxygen demand	mg/L	on bypass	11	10	43	150
faecal coliforms	CFU/100mL	on bypass	11	240	738653	1,600,000
total suspended solids	mg/L	on bypass	11	20	32	56

**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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	3	yes
total suspended solids	mg/L	monthly during discharge	100	14	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	3
total suspended solids	mg/L	monthly during discharge	1	-	-	14

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: 01-02-2020 to 29-02-2020

Date obtained: 13-03-2020

Date published: 27-03-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	20	yes
total suspended solids	mg/L	on bypass	100	49	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
carbonaceous biochemical oxygen demand	mg/L	on bypass	5	11	14	20
faecal coliforms	CFU/100mL	on bypass	5	1	137896	670,000
total suspended solids	mg/L	on bypass	5	18	36	49

# Liverpool Wastewater Treatment Plant

## January Pollution Monitoring Summary

### EPL 372



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

Date obtained: 24-01-2020

Date published: 03-02-2020

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	9	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 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
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	9
faecal coliforms	CFU/100mL	on bypass	1	-	-	80
total suspended solids	mg/L	on bypass	1	-	-	36

**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
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
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: 01-12-2019 to 31-12-2019

Date obtained: 12-12-2019

Date published: 02-01-2020

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
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
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

## November Pollution Monitoring Summary

### EPL 372



Summary period: 01-11-2019 to 30-11-2019

Date obtained: 13-11-2019

Date published: 27-11-2019

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
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
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

## October Pollution Monitoring Summary

### EPL 372



Summary period: 01-10-2019 to 31-10-2019

Date obtained: 15-10-2019

Date published: 29-10-2019

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
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
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 September Pollution Monitoring Summary



EPL 372

Summary period: 01-09-2019 to 30-09-2019

Date obtained: 26-09-2019

Date published: 08-10-2019

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	130	no <sup>2</sup>
total suspended solids	mg/L	on bypass	100	53	yes

<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.

**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
carbonaceous biochemical oxygen demand	mg/L	on bypass	4	16	49	130
faecal coliforms	CFU/100mL	on bypass	4	36	275903	1,100,000
total suspended solids	mg/L	on bypass	4	26	38	53

**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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	100	2	yes
total suspended solids	mg/L	monthly during discharge	100	10	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
carbonaceous biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	2
total suspended solids	mg/L	monthly during discharge	1	-	-	10

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: 01-08-2019 to 31-08-2019  
 Date obtained: 14-08-2019  
 Date published: 04-09-2019

**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
carbonaceous 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
carbonaceous 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 Wastewater Treatment Plant

## July Pollution Monitoring Summary

### EPL 372



Summary period: 01-07-2019 to 31-07-2019

Date obtained: 17-07-2019

Date published: 01-08-2019

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	100	31	yes
total suspended solids	mg/L	on bypass	100	140	no <sup>2</sup>

<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.

**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
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	31
faecal coliforms	CFU/100mL	on bypass	1	-	-	53,000
total suspended solids	mg/L	on bypass	1	-	-	140

**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
carbonaceous 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
carbonaceous 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.