# Liverpool Water Resource Recovery Facility June Pollution Monitoring Summary EPL 372



Summary period: 01-06-2024 to 30-06-2024 Date obtained: 11-07-2024 Date published: 22-07-2024 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

# Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	cription: Effluent d	liversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	1,100	no <sup>2</sup>
total suspended solids	mg/L	on bypass	100	32	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	12	14	128.08	1,100	
faecal coliforms	CFU/100mL	on bypass	12	2	1,459,365	5,300,000	
total suspended solids	mg/L	on bypass	12	16	25	32	

# 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	11	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 ofsamplingnumber ofminimummeanmaximumeasurefrequencysamplesresultsresultsresults						
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2	
total suspended solids	mg/L	monthly during discharge	1	-	-	11	

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

# Liverpool Water Resource Recovery Facility June Pollution Monitoring Summary EPL 372



Summary period: 01-06-2024 to 30-06-2024 Date obtained: 11-07-2024 Date published: 22-07-2024 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 c tank				
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	44	yes
total suspended solids	mg/L	on bypass	100	64	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	nstream of	chlorine c	ontact			
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	3	31	36.67	44
faecal coliforms	CFU/100mL	on bypass	3	590,000	1,923,333	4,200,000
total suspended solids	mg/L	on bypass	3	45	52	64

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.

<sup>2</sup> Biochemical oxygen demand exceedance on 1 June. 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 op erating under Environmental Protection Licence wet weather requirements.

# Liverpool Water Resource Recovery Facility May Pollution Monitoring Summary EPL 372



Summary period: 01-05-2024 to 31-05-2024 Date obtained: 01-06-2024 Date published: 14-06-2024 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	64	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	9	18	39.33	64	
faecal coliforms	CFU/100mL	on bypass	9	100	2480011	>5,900,000	
total suspended solids	mg/L	on bypass	9	18	22	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	nit of sampling 100 percentile 100 percen easure frequency limit actual					
biochemical oxygen demand	mg/L	monthly during discharge	100	<2	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 ofsamplingnumber ofminimummeanmaximumeasurefrequencysamplesresultsresultsresults						
biochemical oxygen demand	mg/L	monthly during discharge	1	-	-	<2	
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 Water Resource Recovery Facility May Pollution Monitoring Summary EPL 372**



Summary period: 01-05-2024 to 31-05-2024 Date obtained: 01-06-2024 Date published: 14-06-2024

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 contationt tank					
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits	
biochemical oxygen demand	mg/L	on bypass	100	40	yes	
total suspended solids	mg/L	on bypass	100	33	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 descri tank	ption: Overflow	chamber dow	nstream of	chlorine c	contact		
pollutant	unit of measure	unit of sampling number of minimum mean maximum measure frequency samples results results results						
biochemical oxygen demand	mg/L	on bypass	2	39	39.5	40		
faecal coliforms	CFU/100mL	on bypass	2	55	168	280		
total suspended solids	mg/L	on bypass	2	24	29	33		

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.

# Liverpool Water Resource Recovery Facility April Pollution Monitoring Summary EPL 372



Summary period: 01-04-2024 to 30-04-2024 Date obtained: 01-05-2024 Date published: 13-05-2024 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

# Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	52	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	5	10	28.6	52	
faecal coliforms	CFU/100mL	on bypass	5	1,200,000	3700000	6,000,000	
total suspended solids	mg/L	on bypass	5	14	18	24	

#### Table 1: 100 percentile data

EPA Point 76 Site code LP0076	Point des	Point description: Chlorine contact tank adjacent to reuse pumps						
pollutant	unit of measure	sampling frequency	100 percentile limit	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 sampling number of minimum mean maxim measure frequency samples results results resu						
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 Water Resource Recovery Facility April Pollution Monitoring Summary EPL 372



Summary period: 01-04-2024 to 30-04-2024 Date obtained: 01-05-2024 Date published: 13-05-2024

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	it of sampling 100 percentile 100 percentile wi asure frequency limit actual li					
biochemical oxygen demand	mg/L	on bypass	100	42	yes		
total suspended solids	mg/L	on bypass	100	150	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 81 Site code LP0081 Overflow Point							
pollutant	unit of sampling number of minimum mean maximun measure frequency samples results results results						
biochemical oxygen demand	mg/L	on bypass	2	21	31.5	42	
faecal coliforms	CFU/100mL	on bypass	2	140,000	530000	920,000	
total suspended solids	mg/L	on bypass	2	27	89	150	

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.

<sup>1</sup> Total suspended solids exceedance on 6 April. 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 from 5 to 6 April resulted in plant operating under Environmental Protection Licence wet weather requirements.

# Liverpool Water Resource Recovery Facility March Pollution Monitoring Summary EPL 372



Summary period: 01-03-2024 to 31-03-2024 Date obtained: 01-04-2024 Date published: 11-04-2024 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

### Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	11	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	1	-	-	11	
faecal coliforms	CFU/100mL	on bypass	1	-	-	410,000	
total suspended solids	mg/L	on bypass	1	-	-	14	

#### Table 1: 100 percentile data

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

# Liverpool Water Resource Recovery Facility February Pollution Monitoring Summary EPL 372



Summary period: 01-02-2024 to 29-02-2024 Date obtained: 04-03-2024 Date published: 15-03-2024 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

### Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	44	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	7	13	28.71	44	
faecal coliforms	CFU/100mL	on bypass	7	100,000	1442857	4,400,000	
total suspended solids	mg/L	on bypass	7	22	24	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		
biochemical oxygen demand	mg/L	monthly during discharge	100	8	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	-	-	8	
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.

# Liverpool Water Resource Recovery Facility February Pollution Monitoring Summary EPL 372



Summary period: 01-02-2024 to 29-02-2024 Date obtained: 04-03-2024 Date published: 15-03-2024

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	41	yes	
total suspended solids	mg/L	on bypass	100	32	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 tankunit of measuresampling frequencynumber of samplesminimum resultsmean results						
pollutant							
biochemical oxygen demand	mg/L	on bypass	1	-	-	41	
faecal coliforms	CFU/100mL	on bypass	1	-	-	3,000,000	
total suspended solids	mg/L	on bypass	1	-	-	32	

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 January Pollution Monitoring Summary EPL 372



Summary period: 01-01-2024 to 31-01-2024 Date obtained: 01-02-2024 Date published: 15-02-2024 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

# Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	40	yes
total suspended solids	mg/L	on bypass	100	35	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	11	29.67	40	
faecal coliforms	CFU/100mL	on bypass	3	37,000	2112333	4,000,000	
total suspended solids	mg/L	on bypass	3	12	23	35	

#### Table 1: 100 percentile data

EPA Point 76 Site code LP0076	Point des	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	<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 ofsamplingnumber ofminimummeanmaximmeasurefrequencysamplesresultsresults						
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.

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 January monitoring period.

# Liverpool Water Resource Recovery Facility December Pollution Monitoring Summary EPL 372



Summary period: 01-12-2023 to 31-12-2023 Date obtained: 11-01-2024 Date published: 22-01-2024 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

### Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	51	yes
total suspended solids	mg/L	on bypass	100	90	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 desc	ription: Effluent d	iversion struc	cture at Chip	oping Nort	on
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
biochemical oxygen demand	mg/L	on bypass	7	8	27.43	51
faecal coliforms	CFU/100mL	on bypass	7	13	1773288	6,000,000
total suspended solids	mg/L	on bypass	7	9	28	90

#### Table 1: 100 percentile data

EPA Point 76 Site code LP0076	Point des	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	<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 ofsamplingnumber ofminimummeanmaximmeasurefrequencysamplesresultsresults						
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.

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: 01-11-2023 to 30-11-2023 Date obtained: 13-12-2023 Date published: 19-12-2023 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

### Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	39	yes
total suspended solids	mg/L	on bypass	100	57	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	11	23.4	39
faecal coliforms	CFU/100mL	on bypass	5	520,000	2204000	4,800,000
total suspended solids	mg/L	on bypass	5	4	22	57

#### 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	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	
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 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 November monitoring period.

# Liverpool Water Resource Recovery Facility October Pollution Monitoring Summary EPL 372



Summary period: 01-10-2023 to 31-10-2023 Date obtained: 01-11-2023 Date published: 15-11-2023 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	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 LP0015 after 3 hours of continuous discharge from EPA Point 15. There was no discharge from EPA ID 15 during the October 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 October monitoring period.

# Liverpool Water Resource Recovery Facility September Pollution Monitoring Summary EPL 372



Summary period: 01-09-2023 to 30-09-2023 Date obtained: 05-10-2023 Date published: 13-10-2023 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

### Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	iversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	17	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.

#### 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	2	15	16	17
faecal coliforms	CFU/100mL	on bypass	2	92,000	136000	180,000
total suspended solids	mg/L	on bypass	2	19	37	54

#### 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	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 ofsamplingnumber ofminimummeanmaximeasurefrequencysamplesresultsresultsresults						
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 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: 01-08-2023 to 31-08-2023 Date obtained: 05-09-2023 Date published: 14-09-2023 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

# Table 1: 100 percentile data

EPA Point 15 Site code LP0015 Overflow Point	Point desc	ription: Effluent d	liversion structure	at Chipping Nort	on
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	on bypass	100	34	yes
total suspended solids	mg/L	on bypass	100	27	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	2	31	32.5	34	
faecal coliforms	CFU/100mL	on bypass	2	260,000	1230000	2,200,000	
total suspended solids	mg/L	on bypass	2	22	25	27	

#### 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	<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 des	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	-	-	<2		

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: 01-07-2023 to 31-07-2023 Date obtained: 01-08-2023 Date published: 15-08-2023 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	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
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 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 81. There was no discharge from EPA ID 81 during the July monitoring period.