

Liverpool Wastewater Treatment Plant

2018-2019 Pollution Monitoring Summary

EPL 372



Summary period: 01-07-2018 to 30-06-2019

Date published: 09-09-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile yearly summary

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	100 percentile limit	100 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	on bypass	38	4	35	270	100	270	no ¹
total suspended solids	mg/L	on bypass	38	7	42	170	100	170	no ¹

¹ 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. Details of any within limit exceptions were provided in monthly reports

Table 2: Average yearly summary

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	38	4	35	270
faecal coliforms	CFU/100mL	on bypass	38	50	1,103,727	9,300,000
total suspended solids	mg/L	on bypass	38	7	42	170

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Table 1: 100 percentile yearly summary

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	100 percentile limit	100 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	12	<2	<2	9	100	9	yes
total suspended solids	mg/L	monthly	12	<2	5	9	100	9	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant. 2 Details of any within limit exceptions were provided in monthly reports

Table 2: Average yearly summary

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	12	<2	<2	9
total suspended solids	mg/L	monthly	12	<2	5	9

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Table 1: 100 percentile yearly summary

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	100 percentile limit	100 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	25	100	25	yes
total suspended solids	mg/L	on bypass	1	-	-	94	100	94	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. 2 Details of any within limit exceptions were provided in monthly reports

Table 2: Average yearly summary

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	-	-	25
faecal coliforms	CFU/100mL	on bypass	1	-	-	530
total suspended solids	mg/L	on bypass	1	-	-	94