

Liverpool Wastewater Treatment Plant

2021-2022 Pollution Monitoring Summary

EPL 372



Summary period: 01-07-2021 to 30-06-2022

Date published: 19-08-2022

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
biochemical oxygen demand	mg/L	on bypass	96	7	37	310	100	310	no ¹
carbonaceous biochemical oxygen demand	mg/L	on bypass	96	6	26	250	100	250	no ¹
total suspended solids	mg/L	on bypass	96	11	30	200	100	200	no 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.

¹Details 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
biochemical oxygen demand	mg/L	on bypass	96	7	37	310
carbonaceous biochemical oxygen demand	mg/L	on bypass	96	6	26	250
faecal coliforms	CFU/100mL	on bypass	96	<1	2,141,579	10,000,000
total suspended solids	mg/L	on bypass	96	11	30	200

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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
biochemical oxygen demand	mg/L	monthly	12	<2	2	13	100	13	yes
carbonaceous biochemical oxygen demand	mg/L	monthly	12	<2	<2	4	100	4	yes
total suspended solids	mg/L	monthly	12	<2	4	8	100	8	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: 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
biochemical oxygen demand	mg/L	monthly	12	<2	2	13
carbonaceous biochemical oxygen demand	mg/L	monthly	12	<2	<2	4
total suspended solids	mg/L	monthly	12	<2	4	8

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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
biochemical oxygen demand	mg/L	on bypass	17	<2	128	1,900	100	1,900	no ¹
carbonaceous biochemical oxygen demand	mg/L	on bypass	17	<2	120	1,800	100	1,800	no ¹
total suspended solids	mg/L	on bypass	17	22	32	54	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.

¹Details 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
biochemical oxygen demand	mg/L	on bypass	17	<2	128	1,900
carbonaceous biochemical oxygen demand	mg/L	on bypass	17	<2	120	1,800
faecal coliforms	CFU/100mL	on bypass	17	<1	119,847	650,000
total suspended solids	mg/L	on bypass	17	22	32	54