

Liverpool Wastewater Treatment Plant

2020-2021 Pollution Monitoring Summary

EPL 372



Summary period: 01-07-2020 to 30-06-2021

Date published: 16-08-2021

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	41	8	34	200	100	200	no ¹
carbonaceous biochemical oxygen demand	mg/L	on bypass	53	5	43	880	100	880	no ¹
total suspended solids	mg/L	on bypass	53	11	27	49	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.

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	41	8	34	200
carbonaceous biochemical oxygen demand	mg/L	on bypass	53	5	43	880
faecal coliforms	CFU/100mL	on bypass	52	2	1066524	6,000,000
total suspended solids	mg/L	on bypass	53	11	27	49

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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	10	<2	<2	<2	100	<2	yes
carbonaceous biochemical oxygen demand	mg/L	monthly	12	<2	<2	<2	100	<2	yes
total suspended solids	mg/L	monthly	12	<2	4	15	100	15	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 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	10	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	monthly	12	<2	<2	<2
total suspended solids	mg/L	monthly	12	<2	4	15

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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	5	7	16	24	100	24	yes
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	7	70	420	100	420	no ¹
total suspended solids	mg/L	on bypass	9	24	33	45	100	45	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	5	7	16	24
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	7	70	420
faecal coliforms	CFU/100mL	on bypass	9	29	102847	560,000
total suspended solids	mg/L	on bypass	9	24	33	45