

West Camden Wastewater Treatment Plant

2024-25 Pollution monitoring yearly limit summaries



EPL 1675

Summary period: 01-07-2024 to 30-06-2025

Date published: 01-08-2025

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 5 Site code WC0005*		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	10	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	100	8.1	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	56	0.01	4.29	1	0.47	yes
nitrogen (ammonia) ¹	mg/L	every 6 days	5	<0.01	0.12	0.9	0.01	yes
nitrogen (total)	mg/L	every 6 days	61	2.14	18	10	6.51	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.23	0.3	0.03	yes
total suspended solids	mg/L	every 6 days	61	<2	4	10	<2	yes

80 percentile yearly summary								
EPA Point 5 Site code WC0005*		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	19	200	3	yes

*Monitoring point relocated from WC0005 to WC0015 from 28 May 2025

¹West Camden LVA resulting in 50th and 90th percentile limit changes to nitrogen (ammonia) effective 01/06/2025

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90 percentile yearly summary								
EPA Point 5 Site code WC0005*		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
aluminium	ug/L	monthly	12	19	161	500	138	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	15	<2	yes
chlorine (total residual)	mg/L	every 6 days	61	<0.04	0.08	0.1	<0.04	yes
copper	ug/L	monthly	12	<0.5	2	5	1.9	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.1	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
iron	ug/L	monthly	12	26	347	240	125	yes
nitrogen (ammonia)	mg/L	every 6 days	56	0.01	4.29	3.5	1.97	yes
nitrogen (ammonia) ¹	mg/L	every 6 days	5	<0.01	0.12	1.4	0.12	yes
nitrogen (total)	mg/L	every 6 days	61	2.14	18	15	11.2	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.23	1	0.11	yes
total suspended solids	mg/L	every 6 days	61	<2	4	15	<2	yes
zinc	ug/L	monthly	12	12	39	37	31	yes

*Monitoring point relocated from WC0005 to WC0015 from 28 May 2025

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Average yearly summary								
EPA Point 5 Site code WC0005*		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	28	161	130	70	yes
copper	ug/L	monthly	12	<0.5	1.9	4	1	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	30	<30	yes
iron	ug/L	monthly	12	26	347	170	82	yes
zinc	ug/L	monthly	12	12	39	31	23	yes

*Monitoring point relocated from WC0005 to WC0015 from 28 May 2025