

Rouse Hill Wastewater Treatment Plant

2025-26 Pollution monitoring yearly limit summaries



EPL 4965

Summary period: 01-07-2025 to 30-06-2026

Date published: 22-07-2026

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
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	4	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	100	100	50	100	yes
nitrogen (ammonia)*	mg/L	every 6 days	61	0.04	7.71	1.2	0.46	yes
nitrogen (total)	mg/L	every 6 days	61	4.6	9.97	6	6.07	no ¹
phosphorus (total)	mg/L	every 6 days	61	0.011	0.068	0.1	0.019	yes
total suspended solids	mg/L	every 6 days	61	<2	3	5	<2	yes

80 percentile yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
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	60	<1	170	200	1	yes

*Nitrogen (ammonia) 50th percentile EPL concentration limit 1.2 mg/L for 1/1/2025 to 1/7/2026 during WRRF upgrades (L3.7)

¹ Nitrogen (total) 50th percentile EPL concentration limit exceeded for 2025-26.

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90 percentile yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
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	73	213	340	160	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	5	<2	yes
chlorine (total residual)	mg/L	every 6 days	60	<0.04	<0.04	0.1	<0.04	yes
copper	ug/L	monthly	12	1.9	3.0	7	3.0	yes
iron	ug/L	monthly	12	21	289	52	143	no ²
nitrogen (ammonia)*	mg/L	every 6 days	61	0.04	7.71	2.5	1.26	yes
nitrogen (total)	mg/L	every 6 days	61	4.6	9.97	15	7.11	yes
phosphorus (total)	mg/L	every 6 days	61	0.011	0.068	0.4	0.026	yes
total suspended solids	mg/L	every 6 days	61	<2	3	8	<2	yes
zinc	ug/L	monthly	12	9	32	39	31	yes

*Nitrogen (ammonia) 90th percentile EPL concentration limit 2.5 mg/L for 1/1/2025 to 1/7/2026 during WRRF upgrades (L3.7)

² Iron 90th percentile EPL concentration limit exceeded for 2025-26.

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Average yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	73	213	220	121	yes
copper	ug/L	monthly	12	1.9	3.0	5	2.5	yes
iron	ug/L	monthly	12	21	289	37	62	no ⁴
zinc	ug/L	monthly	12	9	32	33	25	yes

³ Iron average EPL concentration limit exceeded for 2025-26.