

North Richmond Wastewater Treatment Plant

2019-20 Pollution monitoring yearly limit summaries



EPL 190

Summary period: 01-07-2019 to 30-06-2020

Date published: 10-08-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 4 Site code NR0004		Point description: Downstream of the weir from the disinfection facilities						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	3	10	<2	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.27	1.57	2	0.85	yes
nitrogen (total)	mg/L	every 6 days	61	3.93	8.72	10	6.3	yes
phosphorus (total)	mg/L	every 6 days	61	0.08	0.78	2	0.28	yes
total suspended solids	mg/L	every 6 days	61	<2	8	20	<2	yes

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90 percentile yearly summary								
EPA Point 4 Site code NR0004		Point description: Downstream of the weir from the disinfection facilities						
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	119	368	1,600	361	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	3	15	<2	yes
copper	ug/L	monthly	12	2.9	6	270	5.9	yes
cyanide	ug/L	monthly	12	<5	<5	220	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	27	<0.1	yes
iron	ug/L	monthly	12	13	141	510	30	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.27	1.57	5	1.24	yes
nitrogen (total)	mg/L	every 6 days	61	3.93	8.72	15	7.66	yes
phosphorus (total)	mg/L	every 6 days	61	0.08	0.78	5	0.49	yes
total suspended solids	mg/L	every 6 days	61	<2	8	30	4	yes
zinc	ug/L	monthly	12	16	34	140	31	yes

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Average yearly summary								
EPA Point 4 Site code NR0004		Point description: Downstream of the weir from the disinfection facilities						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	119	368	500	255	yes
copper	ug/L	monthly	12	2.9	6	27	4	yes
cyanide	ug/L	monthly	12	<5	<5	19	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	1.3	<0.1	yes
iron	ug/L	monthly	12	13	141	340	31	yes
zinc	ug/L	monthly	12	16	34	49	25	yes

50 percentile yearly summary								
EPA Point 5 Site code NR0005		Point description: Outlet of the disinfection facilities						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	100	100	50	100	yes

80 percentile yearly summary								
EPA Point 5 Site code NR0005		Point description: Outlet of the disinfection facilities						
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	530	200	20	yes

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90 percentile yearly summary								
EPA Point 5 Site code NR0005		Point description: Outlet of the disinfection facilities						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	350	<30	yes

Average yearly summary								
EPA Point 5 Site code NR0005		Point description: Outlet of the disinfection facilities						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	79	<30	yes