

North Richmond Wastewater Treatment Plant

2016-17 Pollution monitoring yearly limit summaries



EPL 190

Summary period: 01-07-2016 to 30-06-2017

Date published: 11-08-2017

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	6	10	<2	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.12	1.45	2	0.47	yes
nitrogen (total)	mg/L	every 6 days	61	3.78	8.94	10	5.97	yes
phosphorus (total)	mg/L	every 6 days	61	0.05	0.47	2	0.11	yes
total suspended solids	mg/L	every 6 days	61	<2	11	20	3	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	80	741	1,600	604	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	6	15	<2	yes
copper	ug/L	monthly	12	2.4	7.5	270	5.3	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	8	46	510	36	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.12	1.45	5	0.93	yes
nitrogen (total)	mg/L	every 6 days	61	3.78	8.94	15	7.56	yes
phosphorus (total)	mg/L	every 6 days	61	0.05	0.47	5	0.22	yes
total suspended solids	mg/L	every 6 days	61	<2	11	30	8	yes
zinc	ug/L	monthly	12	14	45	140	44	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	80	741	500	355	yes
copper	ug/L	monthly	12	2.4	7.5	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	8	46	340	19	yes
zinc	ug/L	monthly	12	14	45	49	36	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	1,200	200	10	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