

EPL 190

Summary period: 01-07-2022 to 30-06-2023

Date published: 01-09-2023

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		
biochemical oxygen demand	mg/L	every 6 days	61	<2	5	10	<2	yes		
nitrogen (ammonia)	mg/L	every 6 days	61	0.27	2.05	0.9	0.96	no ¹		
nitrogen (total)	mg/L	every 6 days	61	4.32	9.32	10	6.71	yes		
phosphorus (total)	mg/L	every 6 days	61	0.08	0.62	2	0.18	yes		
total suspended solids	mg/L	every 6 days	61	<2	12	5	4	yes		

¹ The ammonia nitrogen 50th and 90th percentile exceedances were largely influenced by increasing inflows to North Richmond WRRF due to catchment growth and limitations of the existing biological treatment technology to meet the recently revised Stage 1 concentration limits, particularly during sudden and extended periods of extreme wet weather events.

To restore compliance, Sydney Water are initiating the option to upgrade Richmond WRRF treatment capacity, transfer flows from North Richmond WRRF to Richmond WRRF and decommission North Richmond WRRF.



EPL 190

Summary period: 01-07-2022 to 30-06-2023

Date published: 01-09-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

90 percentile yearly summary	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	227	835	873	666	yes			
biochemical oxygen demand	mg/L	every 6 days	61	<2	5	15	3	yes			
copper	ug/L	monthly	12	3.4	7	7	6.8	yes			
diazinon	ug/L	monthly	12	<0.1	<0.1	0.1	<0.1	yes			
iron	ug/L	monthly	12	9	58	180	53	yes			
nitrogen (ammonia)	mg/L	every 6 days	61	0.27	2.05	1.4	1.5	no ¹			
nitrogen (total)	mg/L	every 6 days	61	4.32	9.32	15	8.31	yes			
phosphorus (total)	mg/L	every 6 days	61	0.08	0.62	5	0.4	yes			
total suspended solids	mg/L	every 6 days	61	<2	12	10	7	yes			
zinc	ug/L	monthly	12	18	35	57	29	yes			



EPL 190

Summary period: 01-07-2022 to 30-06-2023

Date published: 01-09-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Average yearly summary										
EPA Point 4 Site code NR0004	Point description	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	227	835	500	433	yes		
copper	ug/L	monthly	12	3.4	7	5	4	yes		
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes		
iron	ug/L	monthly	12	9	58	95	29	yes		
zinc	ug/L	monthly	12	18	35	44	24	yes		

50 percentile yearly summary									
EPA Point 5 Site code NR0005	Point descript	int 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 descrip	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	8,600	200	49	yes



EPL 190

Summary period: 01-07-2022 to 30-06-2023

Date published: 01-09-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

90 percentile yearly summary									
EPA Point 5 Site code NR0005	Point description	oint 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	60	<30	yes	

Average yearly summary								
EPA Point 5 Site code NR0005	Point description	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	30	<30	yes