EPL 10555

Date published: 09-09-2019

Summary period: 01-07-2018 to 30-06-2019

Sydney WATER

Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 1 Site code Pl0001 Point description: Outlet of the effluent buffer tank at the western dam								
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	on bypass	72	<2	18	7	<2	yes
nitrogen (ammonia)	mg/L	on bypass	72	<0.1	1.1	0.5	<0.1	yes
nitrogen (total)	mg/L	on bypass	72	2.39	5	6	4.01	yes
phosphorus (total)	mg/L	on bypass	72	0.03	0.37	0.2	0.08	yes
total suspended solids	mg/L	on bypass	72	<2	40	7	3	yes

80 percentile yearly summary								
EPA Point 1 Site code Pl0001	Point description: Outlet of the effluent buffer tank at the western dam							
nollutant	unit of	compling frequency	number of	minimum	maximum	80 percentile	80 percentile	within
ponutant	measure	sampling frequency	samples	result	result	IIIIII	value	mmus
faecal coliforms	CFU/100mL	on bypass	72	23	3,800	200	150	yes

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90 percentile yearly summary									
EPA Point 1 Site code Pl0001	Point description: Outlet of the effluent buffer tank at the western dam								
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits	
carbonaceous biochemical oxygen demand	mg/L	on bypass	72	<2	18	10	3	yes	
nitrogen (ammonia)	mg/L	on bypass	72	<0.1	1.1	1	0.4	yes	
nitrogen (total)	mg/L	on bypass	72	2.39	5	10	4.72	yes	
phosphorus (total)	mg/L	on bypass	72	0.03	0.37	0.4	0.26	yes	
total suspended solids	mg/L	on bypass	72	<2	40	15	10	yes	

50 percentile yearly summary									
EPA Point 11 Site code Pl0011	Point description: Outlet of the effluent irrigation eastern dam								
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 when irrigating	20	<2	5	10	<2	yes	
faecal coliforms	CFU/100mL	every 6 days when irrigating	20	5	750	2,000	42	yes	
nitrogen (ammonia)	mg/L	every 6 days when irrigating	20	0.02	0.99	2	0.08	yes	
nitrogen (total)	mg/L	every 6 days when irrigating	20	2.97	6.48	10	5.16	yes	
рН	pH Units	every 6 days when irrigating	20	7.78	9.69	6.5 - 9.5	8.47	yes	
phosphorus (total)	mg/L	every 6 days when irrigating	20	0.35	1.63	8	0.79	yes	
total suspended solids	mg/L	every 6 days when irrigating	20	<2	7	120	2	yes	

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90 percentile yearly summary										
EPA Point 11 Site code Pl0011 pollutant	Point description: Outlet of the effluent irrigation eastern dam									
	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits		
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	20	<2	5	15	<2	yes		
faecal coliforms	CFU/100mL	every 6 days when irrigating	20	5	750	10,000	280	yes		
nitrogen (ammonia)	mg/L	every 6 days when irrigating	20	0.02	0.99	5	0.49	yes		
nitrogen (total)	mg/L	every 6 days when irrigating	20	2.97	6.48	15	5.97	yes		
phosphorus (total)	mg/L	every 6 days when irrigating	20	0.35	1.63	9	1.3	yes		
total suspended solids	mg/L	every 6 days when irrigating	20	<2	7	480	6	yes		

50 percentile yearly summary										
EPA Point 13 Site code Pl0013	Point descript	m								
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 when irrigating	14	<2	6	7	<2	yes		
nitrogen (ammonia)	mg/L	every 6 days when irrigating	14	0.01	0.33	0.5	0.13	yes		
nitrogen (total)	mg/L	every 6 days when irrigating	14	1.73	4.97	6	4.02	yes		
рН	pH Units	every 6 days when irrigating	14	7.58	10.11	6.5 - 9.5	8.18	yes		
phosphorus (total)	mg/L	every 6 days when irrigating	14	0.06	0.22	0.2	0.12	yes		
total suspended solids	mg/L	every 6 days when irrigating	14	<2	10	7	3	yes		

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90 percentile yearly summary									
EPA Point 13 Site code Pl0013	Point description: Outlet of the effluent irrigation western dam								
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits	
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	14	<2	6	10	5	yes	
faecal coliforms	CFU/100mL	every 6 days when irrigating	14	21	170	200*	120*	yes	
nitrogen (ammonia)	mg/L	every 6 days when irrigating	14	0.01	0.33	1	0.23	yes	
nitrogen (total)	mg/L	every 6 days when irrigating	14	1.73	4.97	10	4.77	yes	
phosphorus (total)	mg/L	every 6 days when irrigating	14	0.06	0.22	0.4	0.19	yes	
total suspended solids	mg/L	every 6 days when irrigating	14	<2	10	15	8	yes	

Note: The faecal coliforms concentration limit and value marked by an asterix in the above table is to be interpreted as an 80% concentration limit and value for the purpose of assessing compliance with this condition.