

McGraths Hill Water Resource Recovery Facility

August Pollution Monitoring Summary



EPL 1684

Summary period: 01-08-2026 to 31-08-2026
 Date obtained: 26-08-2026
 Date published: 07-09-2026

Licensee: Sydney Water Corporation
 PO Box 399,
 PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 1 Site code MH0001		Point description: Discharge point into South Creek from V-notch weir at outlet of constructed wetlands system			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	fortnightly	70	2	yes
oil and grease	mg/L	fortnightly	10	5	yes
pH	pH Units	fortnightly	6.5-8.5	7.44	yes
total suspended solids	mg/L	fortnightly	80	5	yes

100 percentile means that 100% of samples (or all samples) taken, must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 1 Site code MH0001		Point description: Discharge point into South Creek from V-notch weir at outlet of constructed wetlands system				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	fortnightly	2	<2	<2	2
faecal coliforms	CFU/100mL	fortnightly	2	15	26	37
nitrogen (ammonia)	mg/L	fortnightly	2	1.9	2.4	2.8
nitrogen (total)	mg/L	fortnightly	2	4.03	4.58	5.12
oil and grease	mg/L	fortnightly	2	<5	<5	5
oxidised nitrogen	mg/L	fortnightly	2	1	1.03	1.05
pH	pH Units	fortnightly	2	7.37	7.41	7.44
phosphorus (total)	mg/L	fortnightly	2	0.170	0.179	0.188
total kjeldahl nitrogen	mg/L	fortnightly	2	3.03	3.55	4.07
total suspended solids	mg/L	fortnightly	2	4	5	5

EPA Point 3 Site code MH0003		Point description: Discharge point of Pond 5				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	fortnightly	2	4	5	6
faecal coliforms	CFU/100mL	fortnightly	2	8	10	11
nitrogen (ammonia)	mg/L	fortnightly	2	17.0	17.7	18.4
nitrogen (total)	mg/L	fortnightly	2	28.3	29.5	30.7
oil and grease	mg/L	fortnightly	2	<5	<5	<5
oxidised nitrogen	mg/L	fortnightly	2	8.75	9.27	9.79
pH	pH Units	fortnightly	2	7.86	7.98	8.09
phosphorus (total)	mg/L	fortnightly	2	4.16	4.35	4.54
total kjeldahl nitrogen	mg/L	fortnightly	2	18.5	20.3	22.0
total suspended solids	mg/L	fortnightly	2	4	6	8

50th and 90th percentile limits are only applied annually for routine monitoring data.
 As per condition M2, collection of samples every fortnight at a minimum of 10 day intervals is required at EPA Point 1 and 3.
 Effluent quality monitoring results obtained from EPA Point 1 and 3 are used to indicate the quality of water discharged at EPA Point 1.

McGraths Hill Water Resource Recovery Facility

July Pollution Monitoring Summary



EPL 1684

Summary period: 01-07-2026 to 31-07-2026
 Date obtained: 29-07-2026
 Date published: 12-08-2026

Licensee: Sydney Water Corporation
 PO Box 399,
 PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 1 Site code MH0001		Point description: Discharge point into South Creek from V-notch weir at outlet of constructed wetlands system			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
biochemical oxygen demand	mg/L	fortnightly	70	<2	yes
oil and grease	mg/L	fortnightly	10	<5	yes
pH	pH Units	fortnightly	6.5-8.5	7.41	yes
total suspended solids	mg/L	fortnightly	80	5	yes

100 percentile means that 100% of samples (or all samples) taken, must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 1 Site code MH0001		Point description: Discharge point into South Creek from V-notch weir at outlet of constructed wetlands system				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	fortnightly	2	<2	<2	<2
faecal coliforms	CFU/100mL	fortnightly	2	12	29	45
nitrogen (ammonia)	mg/L	fortnightly	2	1.6	1.6	1.6
nitrogen (total)	mg/L	fortnightly	2	3.31	3.36	3.41
oil and grease	mg/L	fortnightly	2	<5	<5	<5
oxidised nitrogen	mg/L	fortnightly	2	1.02	1.09	1.15
pH	pH Units	fortnightly	2	7.30	7.36	7.41
phosphorus (total)	mg/L	fortnightly	2	0.157	0.168	0.180
total kjeldahl nitrogen	mg/L	fortnightly	2	2.01	2.14	2.26
total suspended solids	mg/L	fortnightly	2	5	5	5

EPA Point 3 Site code MH0003		Point description: Discharge point of Pond 5				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	fortnightly	2	3	4	4
faecal coliforms	CFU/100mL	fortnightly	2	1	2	2
nitrogen (ammonia)	mg/L	fortnightly	2	16.3	16.6	16.9
nitrogen (total)	mg/L	fortnightly	2	24.9	25.6	26.4
oil and grease	mg/L	fortnightly	2	<5	5	8
oxidised nitrogen	mg/L	fortnightly	2	8.20	8.37	8.54
pH	pH Units	fortnightly	2	7.57	7.62	7.66
phosphorus (total)	mg/L	fortnightly	2	4.40	4.49	4.58
total kjeldahl nitrogen	mg/L	fortnightly	2	16.7	17.2	17.6
total suspended solids	mg/L	fortnightly	2	2	2	3

50th and 90th percentile limits are only applied annually for routine monitoring data.
 As per condition M2, collection of samples every fortnight at a minimum of 10 day intervals is required at EPA Point 1 and 3.
 Effluent quality monitoring results obtained from EPA Point 1 and 3 are used to indicate the quality of water discharged at EPA Point 1.