# Hawkesbury Waste Management Facility - Yearly Summary for 2024-25 (commencing September 2024)

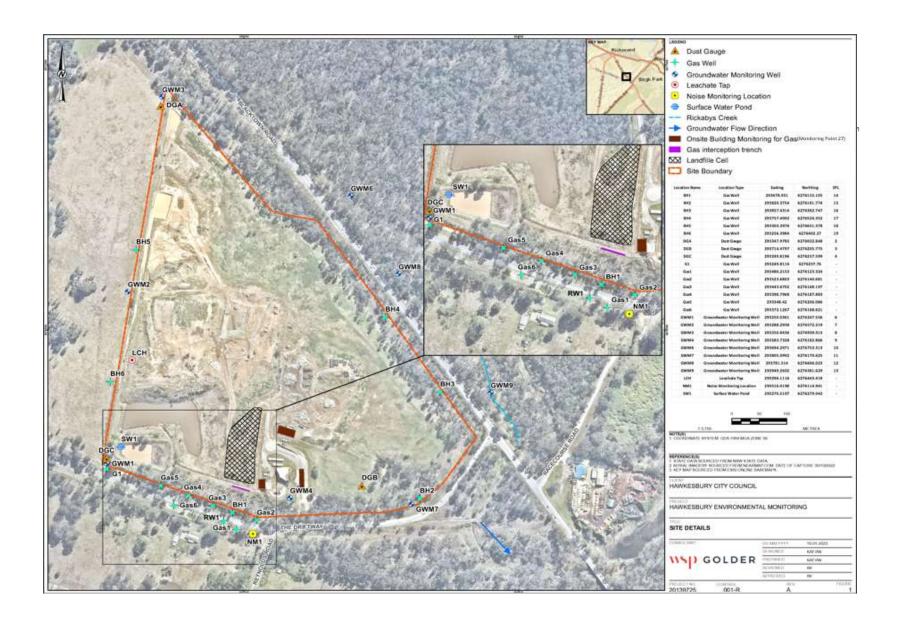
Licence number - 5293

Hawkesbury Waste Management Facility - The Driftway, South WindsorNSW 2756 Licencee - Hawkesbury City Council

Public Register: https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers

Licence Period - 25th July - 24th July

LOR = Limit of Reporting
NT = Not Tested



Monitoring Point 14 - BH1

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Foliatarit	Oilit	Widilitoring Frequency										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	0.5	18.7	20	1	1.4	0.2	0.2	0.1	20.7	0.8
Methane	% v/v	Monthy	0	5.4	4.4	0	0	0	0	0	0.7	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

Monitoring Point 15 - BH2

			Date Sampled	Date Sampled
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained
1 Ollutarit	Onic	Wiorintorning Frequency		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months		
Methane	% v/v	Every 6 Months		

Monitoring Point 16 - BH3

			Date Sampled	Date Sampled	Date Sampled
			26.11.2024	27.02.2025	27.05.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained
1 Ollutarit	Onit	Widilitoring Frequency			
			Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	3.5	0.6	6.6
Methane	% v/v	Every 6 Months	0	0	0

Monitoring Point 17 - BH4

			Date Sampled	Date Sampled	Date Sampled
			26.11.2024	27.02.2025	27.05.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained
Foliutarit	Oille	Wiorintorning Frequency			
			Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	1.3	1	2.2
Methane	% v/v	Every 6 Months	0	0	0

Monitoring Point 18 - BH5

Г				Date Sampled									
ı				30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
ı	Pollutant	Unit	Monitoring Frequency	Date Obtained									

i onutant	J Ollit	Widintolling Frequency										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	0.3	9.5	0.2	0	0.2	0.1	0.2	3.2	0.2	0.3
Methane	% v/v	Monthy	0	7.1	0.1	0	0	0	0	0	0.1	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

### Monitoring Point 19 - BH6

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Foliutarit	Oilit	iviorintoring r requerity										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	0.2	1.5	0.4	0.2	0.3	0.1	0.2	0.3	0.1	0.9
Methane	% v/v	Monthy	0	0.2	0	0	0	0	0	0	0.1	. 0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

### Monitoring Point 20 - G1

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
rollutalit	Oilit	ivioritoring rrequericy										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	0.3	12.3	6.8	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0.1	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						

Methane % v	v/v Monthy					
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#### Point 21 - Gas2

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
rollutalit	Onit	ivioring rrequency										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	0.3	5.5	7.1	0.1	0.1	0.1	0.2	0.1	5.7	6.9
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy			·	·		
Methane	% v/v	Monthy						

### Point 22 - Gas3

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Foliutalit	Offic	ivioritoring rrequericy										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	0.6	0.5	0.4	0.9	0.9	0.3	1.5	0.5	7.4	3.3
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

### Point 23 - Gas4

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Foliatant	Oilit	Widilitoring Frequency										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	3.8	4.9	5.4	3.7	2.3	2.3	5.4	2.7	6.5	2.5
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0

Date Sampled Date Sampled Date Sampled Date Sampled Date Sampled	pled Date Sampled
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			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

### Point 24- Gas 6

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Pollutarit	Oilit	Widilitoring Frequency										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	3.6	5	5	3.4	4.1	0.1	0.6	4.8	6.1	5.9
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy				·		
Methane	% v/v	Monthy						

## Point 25 - Gas interception trench

				Date Sampled									
				30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
	Pollutant	Unit	Unit Monitoring Frequency	Date Obtained									
	Pollutarit	ant Unit Monitoring Frequi	Monitoring Frequency										
				Sample Code									
Carbon I	Dioxide	% v/v	Monthy	0	0	0.1	0	0	0.1	0.1	0	0.1	0.1
Methan	e	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

### RW1

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Dellistent	Unit Monitoring F	A4	Date Obtained									
Pollutant												
			Sample Code									

Carbon Dioxide	% v/v	Monthy	5.4	15	17.9	0.2	0.4	0.2	3.3	0.1	14.5	0.4
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0.1

		Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
		Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
		Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
		Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
0//	Monthy						
· ·	· ·						
	<u> </u>	% v/v Monthy	Date Obtained Sample Code	Date Obtained Date Obtained  Sample Code Sample Code  % v/v Monthy	Date Obtained Date Obtained Date Obtained  Sample Code Sample Code Sample Code  % v/v Monthy	Date Obtained Date Obtained Date Obtained Date Obtained  Sample Code Sample Code Sample Code Sample Code  % v/v Monthy	Date Obtained Da

#### Gas1

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Foliutalit	Offic Monitoring Fr	World Trequency										
			Sample Code									
Carbon Dioxide	% v/v	Monthy	4.1	7.3	6.5	3.4	3	2	5.3	4	7.5	1.6
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0.8

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

## Gas5

			Date Sampled									
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.05.2025	31.03.2025	23.04.2025	27.05.2025	12.06.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained									
Foliutalit	Oilit											
			Sample Code									
Carbon Dioxide	% v/v	Monthy	5.6	6.5	5.1	3.2	1.2	0.1	1.9	0.7	7.7	2.4
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	27.5.2025		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
Point 27 - Inside all buildings	Unit	Monitoring Frequency				
HCC Lunch Room Demountable						
Methane	% v/v	Quarterly	0	0		
HCC Toliet Demountable						
Methane	% v/v	Quarterly	0	0		
Recycling Shed						
Methane	% v/v	Quarterly	0	0		
Gatehouse/ Weighbridge						
Methane	% v/v	Quarterly	0	0		
Tools Storage Shed						
Methane	% v/v	Quarterly	0	0		
Equipment Shed						
Methane	% v/v	Quarterly	0	0		

# **Monitoring Point 2 - DGA**

ľ	Pollutant			Start Date	Start Date	Start Date	Start Date
ı				26.11.2024	27.03.2025		
		Unit		Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
ı					26.5.2025		
ı				Sample Code	Sample Code	Sample Code	Sample Code
ı							
	Particulates deposited Matter	g/m^2/month	Quarterly	<0.3	<0.3		

# **Monitoring Point 3 - DGB**

		Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
Pollutant			26.11.2024	27.03.2025		
	Unit		Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
				26.5.2025		
			Sample Code	Sample Code	Sample Code	Sample Code
Particulates deposited Matter	g/m^2/month	Quarterly	0.7	0.3		

# **Monitoring Point 4 - DGC**

Pollutant		Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26.11.2024	27.03.2025		
	Unit		Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
				26.5.2025		
			Sample Code	Sample Code	Sample Code	Sample Code
Particulates deposited Matter	g/m^2/month	Quarterly	<0.3	<0.3		

Monitoring Point 1 - LCH

Monitoring Point 1 - LCH			la		la	I= : a ! !
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	26.05.2025		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring Frequency	Note: Unable to be sampled due to leachate pumps offline.			
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	-	<5		
Aluminium	mg/L	Yearly				
Arsenic	μg/L	Yearly		8		
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly		0.6		
Biochemical oxygen demand	mg/L	Yearly		13		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	-	110		
Chemical oxygen demand	mg/L	Yearly		390		
Chloride	mg/L	Quarterly	-	1200		
Chromium (hexavalent)	μg/L	Yearly		18		
Cobalt	mg/L	Yearly				
Conductiviy	μS/cm	Quarterly	-			
Copper	μg/L	Yearly		19		
Ethyl benzene	mg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		-0.5		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	_	170		
Manganese	mg/L	Yearly		170		
Mercury	mg/L	Yearly		<0.0001		
Nitrate	mg/L	Quarterly	_	6.2		
Nitrite	mg/L	Quarterly		0.13		
Nitrogen (ammonia)	mg/L	Quarterly		160		
Organochlorine pesticides	μg/L	Yearly	-	<1		
Organochlorine pesticides	μg/L	Yearly		<1		
pH	рH	· · · · · · · · · · · · · · · · · · ·		(1		
Phosphate	mg/L	Quarterly Yearly	-			
Phosphorus (total)	mg/L	Quarterly		1.2		
Potassium	mg/L	Quarterly	-	140		
Sodium	mg/L	Quarterly	-	990		
	-		-			
Sulfate	mg/L	Quarterly Yearly	-	200 <0.5		
Toluene Total chromium	mg/L	'		<0.5		
Total dissolved solids	mg/L	Yearly		4000		
	mg/L	Quarterly	-	4000		
Total Iron	mg/L	Yearly				
Total organic carbon	mg/L	Yearly		<0.04		
Total petroleum hydrocarbons C6-C9	mg/L	Yearly		0.47		
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly		1.4		
C29-C36	mg/L	Yearly		<0.2		
C10-C40 (Sum)	mg/L	Yearly		2		
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		24		

# Monitoring Point 5 - SW1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	26.05.2025		
Pollutant	Unit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Foliutarit	Offic	Worldoning Frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	320	100		
Ammonia	mg/L	Quarterly	0.6	0.51		
Biochemical oxygen demand	mg/L	Quarterly	5	<5		
Sulfate	mg/L	Quarterly	51	92		
Total Phenolics	mg/L	Yearly				

Monitoring Point 6 - GWM1

Widintorning Fornt 0 - GWIVIT			Date Sampled Date Sampled		Date Sampled Date Sampled		
Pollutant			24.11.2024	26.05.2025	, , , , , ,	,	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	
	Unit	Monitoring frequency		- III Bata Obtained			
			Sample Code	Sample Code	Sample Code	Sample Code	
					,	, , , , , , , , , , , , , , , , , , ,	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	320	350			
Aluminium	mg/L	Yearly					
Ammonia	mg/L	Quarterly	<0.05	<0.05			
Arsenic	μg/L	Yearly		<1			
Barium	mg/L	Yearly					
Benzene	μg/L	Yearly		<0.5			
Biochemical oxygen demand	mg/L	Yearly		<5			
Cadmium	μg/L	Yearly		<0.1			
Calcium	mg/L	Quarterly	92	90			
Carbonate	mg/L	Quarterly	<1				
Chemical oxygen demand	mg/L	Yearly		16			
Chloride	mg/L	Quarterly	4700	4600			
Chlorinated volatile compound	mg/L	Yearly					
Chromium (hexavalent)	μg/L	Yearly		<1			
Cobalt	mg/L	Yearly					
Conductivity	μS/cm	Quarterly	12000				
Copper	μg/L	Yearly		1			
Ethyl benzene	μg/L	Yearly		<0.5			
Fluoride	mg/L	Yearly					
Lead	μg/L	Yearly		<1			
Magnesium	mg/L	Quarterly	330	390			
Manganese	mg/L	Yearly					
Mercury	mg/L	Yearly		<0.0001			
Nitrogen Oxides	mg/L	Yearly					
Organochlorine pesticides	μg/L	Yearly		<1			
Organophosphate pesticides	μg/L	Yearly		<1			
pH	pH	Quarterly	-				
Phosphate	mg/L	Yearly					
Phosphorus (Total)	mg/L	Quarterly	0.12				
Potassium	mg/L	Quarterly	2.5				
Salinity	mg/L	Quarterly	8100				
Sodium	mg/L	Quarterly	2100				
Sulfate	mg/L	Quarterly	300				
Toluene	μg/L	Yearly		<0.5			
Total disselved solids	mg/L	Yearly	0000	0200			
Total dissolved solids	mg/L	Quarterly	8900	8300			
Total organic carbon	mg/L	Yearly		-40			
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40 <50			
C10-C14	μg/L	Yearly					
C15-C28	μg/L	Yearly		<200			
C29-C36	μg/L	Yearly		<200			
C10-C40 (Sum)	μg/L	Yearly		<320			
Total Phenolics	mg/L	Yearly		.4.5			
Xylene	μg/L	Yearly		<1.5			
Zinc	μg/L	Yearly		7			

Monitoring Point 7 - GWM2

Monitoring Point 7 - GWM2	_					
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant			24.11.2024	26.5.2025		
	Unit	Manitarian formula	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutalit	Oilit	Monitoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	210	340		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	<0.05		
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	100	110		
Carbonate	mg/L	Quarterly	<1	110		
Chemical oxygen demand	mg/L	Yearly		30		
Chloride	mg/L	Quarterly	3500	4700		
Chlorinated volatile compound	mg/L	Yearly	3300	4700		
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly		`-		
Conductivity	μS/cm	Quarterly	9200	12000		
Copper	μg/L	Yearly	3200	<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		\0.5		
Lead	μg/L	Yearly		<1		
	1.0,		290	380		
Magnesium	mg/L	Quarterly	290	360		
Manganese	mg/L	Yearly		40,0001		
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly		.4		
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
pH	pH	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.19	1.7		
Potassium	mg/L	Quarterly	1.1	1.1		
Salinity	mg/L	Quarterly	5900	8000		
Sodium	mg/L	Quarterly	1900	2400		
Sulfate	mg/L	Quarterly	200	260		
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	6000	8700		
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		61		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		<5		

Monitoring Point 8 - GWM3

Monitoring Point 8 - GWM3			In	D. J. C I . I	In a constant	Data Carallal
Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
		0 1411 17				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	540	570		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05	<0.05		
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	120	110		
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly		35		
Chloride	mg/L	Quarterly	8000	7700		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	19000	19000		
Copper	μg/L	Yearly		<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly				
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	610	630		
Manganese	mg/L	Yearly	010			
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly		10.0001		
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
рН	рН	Quarterly	_	\ <u>\</u>		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.34	0.09		
Potassium	-	Quarterly	2.7	3.3		
Salinity	mg/L mg/L	Quarterly	12000	12000		
Sodium	mg/L	Quarterly	3700	3800		
Sulfate	mg/L	Quarterly	600	570		
Toluene	-		000	<0.5		
Total chromium	μg/L	Yearly Yearly		<0.5		
	mg/L		15000	14000		
Total dissolved solids	mg/L	Quarterly	15000	14000		
Total organic carbon	mg/L	Yearly		.40		
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		<50		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		5		

Monitoring Point 9 - GWM4

Monitoring Point 9 - GWM4			Date Sampled	Date Sampled	Date Sampled	Date Sampled
					Date Sampleu	Date Sampleu
Pollutant			24.11.2024	26.5.2025		
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
			Sample code	Sample code	Sample code	Sample code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	93	92		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05	<0.05		
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	22	21		
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly		30		
Chloride	mg/L	Quarterly	4000			
Chlorinated volatile compound	mg/L	Yearly		1.2.7		
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	10000	11,000		
Copper	μg/L	Yearly	10000	<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		10.5		
Lead	ug/L	Yearly		<1		
Magnesium	mg/L	Quarterly	290			
Manganese	mg/L	Yearly	230	390		
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly		<0.0001		
Organochlorine pesticides		<u> </u>		<1		
	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
oH	pH	Quarterly	-			
Phosphate	mg/L	Yearly	0.05	0.07		
Phosphorus (Total)	mg/L	Quarterly	0.05	0.07		
Potassium	mg/L	Quarterly	1.6			
Salinity	mg/L	Quarterly	6700			
Sodium	mg/L	Quarterly	1700			
Sulfate	mg/L	Quarterly	140			
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	7100	7500		
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		110		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		330		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		7		

Monitoring Point 10 - GWM6

Monitoring Point 10 - GWM6						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant			24.11.2024	26.5.2025		
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Tollatant	Oint	with the state of				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	190	90		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.01	<0.01		
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	36	21		
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly		46		
Chloride	mg/L	Quarterly	46	62		
Chlorinated volatile compound	mg/L	Yearly		-		
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	510	520		
Copper	μg/L	Yearly	310	2		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		40.5		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	13	11		
Manganese	mg/L	Yearly	13			
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly		\0.0001		
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
pH	pH	Quarterly		<1		
Phosphate	mg/L	Yearly	-			
		· · · · · · · · · · · · · · · · · · ·	0.11	0.44		
Phosphorus (Total)	mg/L	Quarterly	0.11	0.44		
Potassium	mg/L	Quarterly	0.2	0.4 340		
Salinity	mg/L	Quarterly	42	51		
Sodium	mg/L	Quarterly				
Sulfate	mg/L	Quarterly	17	12		
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	340	330		
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		<50		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		<5		

Monitoring Point 11 - GWM7

Monitoring Point 11 - GWM7						
Pollutant		Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
	Unit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
. S. acaric	"""					
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	210	200		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	0.03		
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		0.3		
Calcium	mg/L	Quarterly	40	39		
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly		34		
Chloride	mg/L	Quarterly	3900	3600		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	10000	10,000		
Copper	μg/L	Yearly		<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly				
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	180	190		
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
рН	pH	Quarterly	-	_		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	1.3	0.87		
Potassium	mg/L	Quarterly	0.4	1.2		
Salinity	mg/L	Quarterly	6600	6500		
Sodium	mg/L	Quarterly	1900	1800		
Sulfate	mg/L	Quarterly	100	84		
Toluene	μg/L	Yearly	100	<0.5		
Total chromium	mg/L	Yearly		10.5		
Total dissolved solids	mg/L	Quarterly	6700	6500		
Total organic carbon	mg/L	Yearly	5700	3300		
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		<50		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly		\320		
Xylene		· '		<1.5		
· '	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		41		

Monitoring Point 12 - GWM8

Monitoring Point 12 - GWM8			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant			24.11.2024	26.5.2025	Date dampied	Date dampied
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
			Sumpre code	Sample code	Sample code	Jampie Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	540	460		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.23	0.12		
Arsenic	μg/L	Yearly		2		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	130	120		
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly		230		
Chloride	mg/L	Quarterly	6200	5900		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	15000	15,000		
Copper	μg/L	Yearly		<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly				
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	390	480		
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
pH	рН	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	4.7	1.6		
Potassium	mg/L	Quarterly	2.7	4		
Salinity	mg/L	Quarterly	9500			
Sodium	mg/L	Quarterly	2700	3000		
Sulfate	mg/L	Quarterly	240	270		
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	10000	11000		
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		<50		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		200		

Monitoring Point 13 - GWM9

Monitoring Point 13 - GWM9						
Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Tonatant	010	World in Equality				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	160	280		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.17	0.12		
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly				
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand	mg/L	Yearly		<5		
Cadmium	μg/L	Yearly		<0.1		
Calcium	mg/L	Quarterly	39	48		
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly		50		
Chloride	mg/L	Quarterly	2000	3300		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	5700	9,500		
Copper	μg/L	Yearly		<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		10.5		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	100	150		
Manganese	mg/L	Yearly	100	150		
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly		\0.0001		
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
pH	pΗ	Quarterly		<u> </u>		
Phosphate	mg/L	Yearly	-			
		, , , , , , , , , , , , , , , , , , ,	0.70	0.27		
Phosphorus (Total)	mg/L	Quarterly	0.76	0.27		
Potassium	mg/L	Quarterly	7.8	9.5		
Salinity	mg/L	Quarterly	3700 1300	6200		+
Sodium	mg/L	Quarterly		1600		1
Sulfate	mg/L	Quarterly	80	120		
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	3400	6000		
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L	Yearly		<50		
C15-C28	μg/L	Yearly		<200		
C29-C36	μg/L	Yearly		<200		
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		27		

# **Polluntant Monitoring - Correction Log**

EPL No: 5293

Sample Point	Pollutant	Sample Date and Time	Original Data	Corrected Data	Date Originally Published	Reason