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

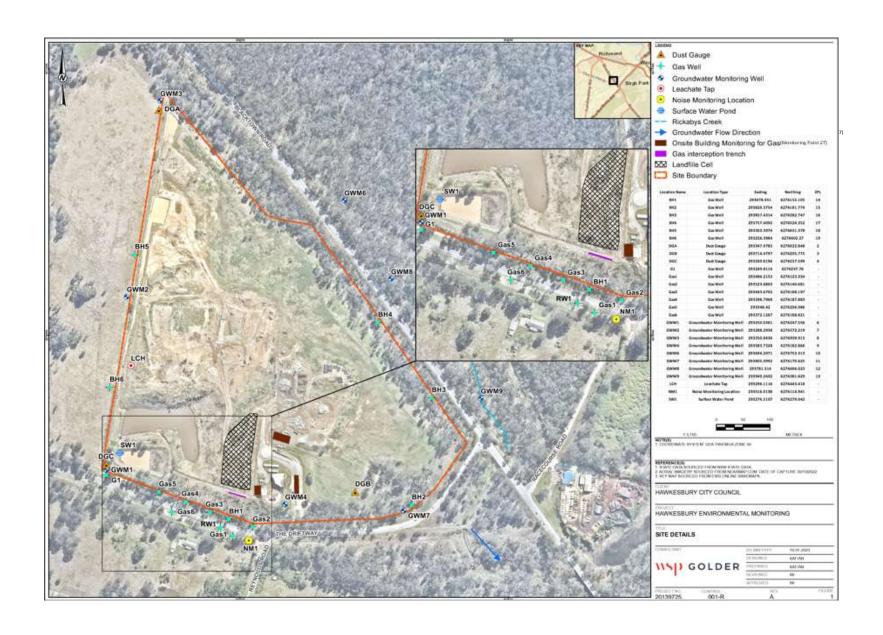
Licence number - 5293

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
Pollutant Unit	Linit	Monitoring Frequency	Date Obtained							
Foliutarit	Oilit									
			Sample Code							
Carbon Dioxide	% v/v	· · · · · · · · · · · · · · · · · · ·	0.5	18.7	20	1	1.4	0.2	0.2	0.2
Methane	% v/v		0	5.4	4.4	0	0	0	0	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
Tollutarit	Oilit	Wionitoring 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
			26.11.2024	27.02.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Foliatalit	Oille	Worldoning Frequency		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	3.5	0.6
Methane	% v/v	Every 6 Months	0	0

#### Monitoring Point 17 - BH4

			Date Sampled	Date Sampled
			26.11.2024	27.02.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained
rollutarit	Oille	Worldoning Frequency		
			Sample Code	Sample Code

Carbon Dioxide	% v/v	Every 6 Months	1.3	1
Methane	% v/v	Every 6 Months	0	0

#### Monitoring Point 18 - BH5

ſ				Date Sampled							
ı	Pollutant Unit			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025
ı		Unit	Monitoring Frequency	Date Obtained							
1	Foliatalit	Offic	i Womtornig Frequency								
ı				Sample Code							
			· ·								
(	Carbon Dioxide	% v/v		0.3	9.5	0.2	0	0.2	0.1	0.2	3.2
	Methane	% v/v		0	7.1	0.1	0	0	0	0	0

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

#### Monitoring Point 19 - BH6

			Date Sampled							
Pollutant Unit			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025
	Linit	Monitoring Frequency	Date Obtained							
Tonatant	TIL OTILL MOTILLOTI	Worldoning Frequency								
			Sample Code							
Carbon Dioxide	% v/v		0.2	1.5	0.4	0.2	0.3	0.1	0.2	0.3
Methane	% v/v		0	0.2	0	0	0	0	0	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
Pollutant Unit	Monitoring Frequency	Date Obtained							

i Ollutalit	Unit	I WIGHTONING FREQUENCY								
			Sample Code							
Carbon Dioxide	% v/v	Monthy	0.3	12.3	6.8	0.1	0.1	0.1	0.1	0.1
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0

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

#### Point 21 - Gas2

ſ			<u> </u>	Date Sampled							
ı				30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025
1	Pollutant	Unit	Monitoring Frequency	Date Obtained							
1	Foliatalit	Offic	Worldoning Frequency								
1				Sample Code							
(	Carbon Dioxide	% v/v	Monthy	0.3	5.5	7.1	0.1	0.1	0.1	0.2	0.1
Ī	Methane	% v/v Monthy	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

ľ				Date Sampled							
ı				30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.02.2025	31.03.2025	23.04.2025
ı	Pollutant	Unit	Manitarina Francisco	Date Obtained							
	Foliatalit	Oilit	Monitoring Frequency								
ı				Sample Code							
ı											
	Carbon Dioxide	% v/v	·	0.6	0.5	0.4	0.9	0.9	0.3	1.5	0.5
	Methane	% v/v		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
Pollutant	Unit	Monitoring Frequency	Date Obtained							
Tollatant	Oilit	Widnitoring Frequency								
			Sample Code							
Carbon Dioxide	% v/v	Monthy Monthy	3.8	4.9	5.4	3.7	2.3	2.3	5.4	2.7
Methane	% v/v		0	0	0	0	0	0	0	0

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

#### Point 24- Gas 6

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

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

Methane	% v/v	Monthy							1	
		•	•	•	•	•		•	-	
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
Pollutant	Unit	Monitoring Frequency	Date Obtained							
i ollutarit	Offic	Wormtorning Frequency								
			Sample Code							
Carbon Dioxide	% v/v	Monthy	C					_	1	
Methane	% v/v	Monthy	C	0	)  (	0 (	0	) (		D
									-	
			Date Sampled							
			Date Obtained							
									1	
			Sample Code							
									1	
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
Pollutant	Unit	Monitoring Frequency	Date Obtained							
			Sample Code							
Carbon Dioxide	% v/v	Monthy	5.4			_				
Methane	% v/v	Monthy	C	0	)  (	0 (	0	) (		0
									-	
			Date Sampled	_						
									_	
			Date Obtained							
									4	
			Sample Code							
	1	1							4	
Carbon Dioxide	% v/v	Monthy							-	
Methane	% v/v	Monthy							J	
Gas1			I	I	I	T	1	I	I=	T
			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

Pollutant	Unit	Monitoring Frequency	Date Obtained							
Tollutarit	Oilit	I wontoning rrequency								
			Sample Code							
Carbon Dioxide	% v/v	Monthy	4.1	7.3	6.5	3.4	3	2	5.3	4
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0

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

#### Gas5

			Monitoring Frequency	Date Sampled							
ı		Unit		30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	25.05.2025	31.03.2025	23.04.2025
ı	Pollutant			Date Obtained							
	Foliutalit										
				Sample Code							
C	Carbon Dioxide	% v/v	Monthy	5.6	6.5	5.1	3.2	1.2	0.1	1.9	0.7
Ν	Methane	% v/v	Monthy	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			
			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			
HCC Toliet Demountable						
Methane	% v/v	Quarterly	0			
Recycling Shed						
Methane	% v/v	Quarterly	0			
Gatehouse/ Weighbridge						
Methane	% v/v	Quarterly	0			
Tools Storage Shed						
Methane	% v/v	Quarterly	0			
Equipment Shed						
Methane	% v/v	Quarterly	0			

**Monitoring Point 2 - DGA** 

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

**Monitoring Point 3 - DGB** 

	Unit Mc	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26.11.2024			
Pollutant			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
Foliutarit						
			Sample Code	Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly	0.7			

**Monitoring Point 4 - DGC** 

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

Monitoring Point 1 - LCH

Monitoring Point 1 - LCH						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Note: Unable to be			
Pollutant	Unit	Monitoring Frequency	sampled due to			
			leachate pumps			
			offline.			
			Sample Code	Sample Code	Sample Code	Sample Code
			· ·			·
Alkalinity (as calcium carbonate)	mg/L	Quarterly	-			
Aluminium	mg/L	Yearly				
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	_			
Chemical oxygen demand	mg/L	Yearly				
Chloride		Quarterly				
	mg/L		-			
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductiviy	μS/cm	Quarterly	-			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	-			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrate	mg/L	Quarterly	-			
Nitrite	mg/L	Quarterly	-			
Nitrogen (ammonia)	mg/L	Quarterly	-			
Organochlorine pesticides	mg/L	Yearly				
Orgnochlorine pesticides	mg/L	Yearly				
pH	pН	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (total)	mg/L	Quarterly	-			
Potassium	mg/L	Quarterly	-			
Sodium	mg/L	Quarterly				
Sulfate	mg/L	Quarterly	-			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	_			
Total Iron	mg/L	Yearly				
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C10-C14 C15-C28		Yearly				
	mg/L	,				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

# **Monitoring Point 5 - SW1**

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024			
Pollutant	Unit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Foliutalit	Offic	Monitoring Frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	320			
Ammonia	mg/L	Quarterly	0.6			
Biochemical oxygen demand	mg/L	Quarterly	5			
Sulfate	mg/L	Quarterly	51			
Total Phenolics	mg/L	Yearly				

Monitoring Point 6 - GWM1

Monitoring Point 6 - GWM1			la		la	la
				Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
	- 4					
Alkalinity (as calcium carbonate) Aluminium	mg/L	Quarterly Yearly	320			
	mg/L		40.05			
Ammonia	mg/L	Quarterly	<0.05			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	92			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4700			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	12000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	330			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
рН	рН	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	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	8900			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

Monitoring Point 7 - GWM2

Monitoring Point 7 - GWM2				1		
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
. Grideane	0	in equency				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	210			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	100			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	3500			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	9200			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	290			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
рН	рН	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.19			
Potassium	mg/L	Quarterly	1.1			
Salinity	mg/L	Quarterly	5900			
Sodium	mg/L	Quarterly	1900			
Sulfate	mg/L	Quarterly	200			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	6000			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

Monitoring Point 8 - GWM3

Monitoring Point 8 - GWM3			1	I	I=	T=
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
, onatant	0	inclined in Equation				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	540			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	120			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	8000			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	19000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	610			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pН	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.34			
Potassium	mg/L	Quarterly	2.7			
Salinity	mg/L	Quarterly	12000			
Sodium	mg/L	Quarterly	3700			
Sulfate	mg/L	Quarterly	600			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	15000			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				
ZIIIC	IIIIg/L	Tearry				

Monitoring Point 9 - GWM4

Monitoring Point 9 - GWM4			la	la	la	la
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
. Gilataile	0	monitoring requestor				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	93			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	22			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4000			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	10000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	290			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
рН	pH	Quarterly	_			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.05			
Potassium	mg/L	Quarterly	1.6			
Salinity	mg/L	Quarterly	6700		1	
Sodium	mg/L	Quarterly	1700			
Sulfate	mg/L	Quarterly	140			
Toluene	mg/L	Yearly	140			
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	7100			
Total organic carbon	mg/L	Yearly	, 100			
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C13-C28 C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
		·				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

Monitoring Point 10 - GWM6

Monitoring Point 10 - GWM6		1		1	1	
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant			24.11.2024			
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
		Wiorintoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	190			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.01			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	36			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	46			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	510			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	13			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
рН	pH	Quarterly	_			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.11			
Potassium	mg/L	Quarterly	0.2			
Salinity	mg/L	Quarterly	330			
Sodium	mg/L	Quarterly	42			
Sulfate	mg/L	Quarterly	17			
Toluene	mg/L	Yearly	2,			
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	340			
Total organic carbon	mg/L	Yearly	340			
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C15-C28 C29-C36		Yearly				
C10-C36 (Sum)	mg/L	Yearly				
	mg/L					
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

Monitoring Point 11 - GWM7

Pollutant  Unit  Monitoring frequency  Monitoring frequency  Monitoring frequency  Date Sampled  Date Sampled  Date Data Obtained  Date Data Obtai	Obtained
Pollutant  Unit  Monitoring frequency  Date Data Obtained Date Data Ob	
Alkalinity (as calcium carbonate) mg/L Quarterly 210  Aluminium mg/L Yearly 0.02  Arsenic mg/L Yearly 0.02  Barium mg/L Yearly 0.02  Barium mg/L Yearly 0.02  Biochemical oxygen demand mg/L Yearly 0.02  Carbonate mg/L Quarterly 0.03  Chlorinated volatile compound mg/L Yearly 0.03  Chlorinated volatile compound mg/L Yearly 0.03  Choloriate wolatile compound mg/L Yearly 0.03  Choloriate wolatile compound mg/L Yearly 0.03  Choloriated volatile compound mg/L Yearly 0.03  Copal mg/L Yearly 0.03  Copper mg/L Yearly 0.03  Copper mg/L Yearly 0.03  Copper mg/L Yearly 0.03  Copper mg/L Yearly 0.03  Ethyl benzene mg/L Yearly 0.03  Ethyl benzene mg/L Yearly 0.03  Manganese mg/L Yearly 0.	
Alkalinity (as calcium carbonate)  Mg/L Aluminium  Mg/L Arsenic  Mg/L Barium  Mg/L Benzene  Mg/L Benzene  Mg/L Benzene  Mg/L Cadmium  Mg/L Cadmium  Mg/L Calcium  Mg/L Calcium  Mg/L Calcium  Mg/L Carbonate  Mg/L Carbonate  Mg/L Chloride  Mg/L Chlorinated volatile compound  Mg/L Cyearly  Mg/L Cobalt  Mg/L Vearly  Mg/L Conductivity  Mg/L Carbonate  Mg/L Chlorinated volatile compound  Mg/L Vearly  Mg/L Cobalt  Mg/L Vearly  Mg/L Conductivity  Mg/L Carbonate  Mg/L Vearly  Mg/L Chlorinated volatile compound  Mg/L Vearly  Mg/L Cobalt  Mg/L Vearly  Mg/L Conductivity  Mg/L Conductivity  Mg/L Vearly  Mg/L Fearly  Mg/L Fearly  Mg/L Mg/L Fearly  Mg/L Mg/L Fearly  Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/	ode
Alkalinity (as calcium carbonate) mg/L Quarterly 210 Aluminium mg/L Yearly 0.02 Arsenic mg/L Yearly 0.02 Arsenic mg/L Yearly 0.02 Arsenic mg/L Yearly 0.02 Barium mg/L Yearly 0.02 Benzene mg/L Yearly 0.02 Biochemical oxygen demand mg/L Yearly 0.02 Biochemical oxygen demand mg/L Yearly 0.02 Cadmium mg/L Yearly 0.02 Cadmium mg/L Yearly 0.02 Carbonate 0.02 Carbonate 0.03 Carbonate 0.03 Carbonate 0.03 Carbonate 0.03 Chlorinated volatile compound mg/L 0.03 Chlorinated volatile compound mg/L Yearly 0.03 Chlorinated volatile compound mg/L Yearly 0.03 Cholat 0.03 Cholat 0.03 Copper 0.	de
Aluminium         mg/L         Yearly         0.02           Arsenic         mg/L         Yearly         0.02           Barium         mg/L         Yearly         0.02           Benzene         mg/L         Yearly         0.02           Biochemical oxygen demand         mg/L         Yearly         0.02           Biochemical oxygen demand         mg/L         Yearly         0.02           Cadnium         mg/L         Yearly         0.02           Cadnium         mg/L         Yearly         0.02           Calcium         mg/L         Yearly         0.02           Calcium         mg/L         Yearly         40         0.02           Calcium         mg/L         Yearly         40         0.02 <td></td>	
Aluminium         mg/L         Yearly         0.02           Arsenic         mg/L         Yearly         0.02           Barium         mg/L         Yearly         0.02           Benzene         mg/L         Yearly         0.02           Biochemical oxygen demand         mg/L         Yearly         0.02           Biochemical oxygen demand         mg/L         Yearly         0.02           Cadnium         mg/L         Yearly         0.02           Cadnium         mg/L         Yearly         0.02           Calcium         mg/L         Yearly         0.02           Calcium         mg/L         Yearly         40         0.02           Calcium         mg/L         Yearly         40         0.02 <td></td>	
Ammonia mg/L Quarterly 0.02  Arsenic mg/L Yearly Barium mg/L Yearly Benzene mg/L Yearly Biochemical oxygen demand mg/L Yearly  Biochemical oxygen demand mg/L Yearly Cadmium mg/L Quarterly 40  Carbonate mg/L Quarterly 41  Carbonate mg/L Quarterly 40  Chemical oxygen demand mg/L Yearly Choride mg/L Quarterly 3900  Chlorinated volatile compound mg/L Yearly Chomium (hexavalent) mg/L Yearly Cobalt mg/L Yearly Conductivity µs/cm Quarterly 10000  Copper mg/L Yearly Ethyl benzene mg/L Yearly Ethyl benzene mg/L Yearly Lead mg/L Yearly Magnesium mg/L Quarterly 180  Magnese mg/L Yearly Mercury mg/L Yearly  Mercury mg/L Yearly  Mercury mg/L Yearly  Mercury mg/L Yearly  Mercury mg/L Yearly  Mercury	
Arsenic         mg/L         Yearly           Barium         mg/L         Yearly           Benzene         mg/L         Yearly           Biochemical oxygen demand         mg/L         Yearly           Cadmium         mg/L         Yearly           Calcium         mg/L         Quarterly         40           Carbonate         mg/L         Quarterly         <1	
Barium mg/L Yearly Benzene mg/L Yearly Biochemical oxygen demand mg/L Yearly Cadmium mg/L Vearly Calcium mg/L Quarterly 40 Carbonate mg/L Quarterly <1 colored mg/L Carly Chemical oxygen demand mg/L Vearly Chioride mg/L Quarterly 3900 Chlorinated volatile compound mg/L Yearly Chromium (hexavalent) mg/L Yearly Cobalt mg/L Yearly Conductivity µS/cm Quarterly 10000 Copper mg/L Yearly Ethyl benzene mg/L Yearly Fluoride mg/L Yearly Magnesium mg/L Yearly Magnese mg/L Quarterly 180 Manganese mg/L Yearly Mercury mg/L Yearly	
Benzene mg/L Yearly Biochemical oxygen demand mg/L Yearly Cadmium mg/L Yearly Calcium mg/L Quarterly 40 Carbonate mg/L Quarterly <1 Chemical oxygen demand mg/L Yearly Chomical oxygen demand mg/L Quarterly <1 Chemical oxygen demand mg/L Yearly Chloride mg/L Quarterly 3900 Chlorinated volatile compound mg/L Yearly Chromium (hexavalent) mg/L Yearly Cobalt mg/L Yearly Conductivity µs/cm Quarterly 10000 Copper mg/L Yearly Ethyl benzene mg/L Yearly Fluoride mg/L Yearly Magnesium mg/L Yearly Magnese mg/L Yearly Mercury mg/L Yearly	
Biochemical oxygen demand mg/L Yearly Cadmium mg/L Yearly Calcium mg/L Quarterly 40 Carbonate mg/L Quarterly <1 Chemical oxygen demand mg/L Yearly Chloride mg/L Quarterly 3900 Chlorinated volatile compound mg/L Yearly Chromium (hexavalent) mg/L Yearly Cobalt mg/L Yearly Conductivity µS/cm Quarterly 10000 Copper mg/L Yearly Fluoride mg/L Yearly Fluoride mg/L Yearly Lead mg/L Yearly Magnesium mg/L Quarterly 180 Manganese mg/L Yearly Mercury mg/L Yearly	
Cadmium         mg/L         Yearly         40           Carbonate         mg/L         Quarterly         41           Chemical oxygen demand         mg/L         Yearly         40           Chloride         mg/L         Yearly         41           Chloride         mg/L         Yearly         3900           Chloride         mg/L         Yearly         40           Cobalt         mg/L         Yearly         40           Conductivity         µs/cm         Quarterly         10000           Copper         mg/L         Yearly         40           Ethyl benzene         mg/L         Yearly         40           Lead         mg/L         Yearly         40           Lead         mg/L         Quarterly         180           Manganese         mg/L         Yearly         40           <	
Calcium mg/L Quarterly 40 Carbonate mg/L Quarterly <1 Chemical oxygen demand mg/L Yearly Chloride mg/L Quarterly 3900 Chlorinated volatile compound mg/L Yearly Chromium (hexavalent) mg/L Yearly Cobalt mg/L Yearly Conductivity µS/cm Quarterly 10000 Copper mg/L Yearly Fluoride mg/L Yearly Fluoride mg/L Yearly Lead mg/L Yearly Magnesium mg/L Quarterly 180 Manganese mg/L Yearly Mercury mg/L Yearly Mercury mg/L Yearly	
Carbonate         mg/L         Quarterly         <1           Chemical oxygen demand         mg/L         Yearly         3900           Chloride         mg/L         Quarterly         3900           Chlorinated volatile compound         mg/L         Yearly           Chromium (hexavalent)         mg/L         Yearly           Cobalt         mg/L         Yearly           Conductivity         µs/cm         Quarterly           Copper         mg/L         Yearly           Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Chemical oxygen demand         mg/L         Yearly         3900           Chloride         mg/L         Quarterly         3900           Chlorinated volatile compound         mg/L         Yearly           Chromium (hexavalent)         mg/L         Yearly           Cobalt         mg/L         Yearly           Conductivity         μS/cm         Quarterly           Copper         mg/L         Yearly           Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Chloride         mg/L         Quarterly         3900           Chlorinated volatile compound         mg/L         Yearly           Chromium (hexavalent)         mg/L         Yearly           Cobalt         mg/L         Yearly           Conductivity         µS/cm         Quarterly         10000           Copper         mg/L         Yearly           Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Chlorinated volatile compound         mg/L         Yearly           Chromium (hexavalent)         mg/L         Yearly           Cobalt         mg/L         Yearly           Conductivity         µS/cm         Quarterly         10000           Copper         mg/L         Yearly           Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Chromium (hexavalent)         mg/L         Yearly           Cobalt         mg/L         Yearly           Conductivity         μS/cm         Quarterly         10000           Copper         mg/L         Yearly           Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Cobalt         mg/L         Yearly         10000           Conductivity         μs/cm         Quarterly         10000           Copper         mg/L         Yearly	
Conductivity         μS/cm         Quarterly         10000           Copper         mg/L         Yearly	
Copper         mg/L         Yearly           Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Ethyl benzene         mg/L         Yearly           Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Fluoride         mg/L         Yearly           Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Lead         mg/L         Yearly           Magnesium         mg/L         Quarterly         180           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Magnesium         mg/L         Quarterly         180           Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Manganese         mg/L         Yearly           Mercury         mg/L         Yearly	
Mercury mg/L Yearly	
Nitrogen Ovides mg/L Vearly	
Millogen Oxides   Ilig/L   Teally	
Organochlorine pesticides mg/L Yearly	
Organophosphate pesticides mg/L Yearly	
pH	
Phosphate mg/L Yearly	
Phosphorus (Total) mg/L Quarterly 1.3	
Potassium mg/L Quarterly 0.4	
Salinity mg/L Quarterly 6600	
Sodium mg/L Quarterly 1900	
Sulfate mg/L Quarterly 100	
Toluene mg/L Yearly	
Total chromium mg/L Yearly	
Total dissolved solids mg/L Quarterly 6700	
Total organic carbon mg/L Yearly	
Total petroleum hydrocarbons C6-C9   mg/L   Yearly	
C10-C14 mg/L Yearly	
C15-C28 mg/L Yearly	
C29-C36 mg/L Yearly	
C10-C36 (Sum) mg/L Yearly	
Total Phenolics mg/L Yearly	
Xylene mg/L Yearly	
Zinc mg/L Yearly	

Monitoring Point 12 - GWM8

Monitoring Point 12 - GWM8						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant		Monitoring frequency	24.11.2024			
	Unit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	540			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.23			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	130			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	6200			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	15000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	390			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
рН	pH	Quarterly	_			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	4.7			
Potassium	mg/L	Quarterly	2.7			
Salinity	mg/L	Quarterly	9500			
Sodium	mg/L	Quarterly	2700			
Sulfate	mg/L	Quarterly	240			
Toluene	mg/L	Yearly	240			
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	10000			
Total organic carbon	mg/L	Yearly	13000			
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C13-C28 C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics						
	mg/L	Yearly				
Xylene Zinc	mg/L mg/L	Yearly Yearly				
ZIIIC	IIIB/L	Tearry				

Monitoring Point 13 - GWM9

Monitoring Point 13 - GWM9	1		I=	I	T	I=
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant			24.11.2024			
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	160			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.17			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	39			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	2000			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	5700			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	100			
Manganese	mg/L	Yearly	100			
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly				
Phosphate	mg/L	Yearly	-			
Phosphorus (Total)	mg/L	Quarterly	0.76			
	-	· · · · · · · · · · · · · · · · · · ·				
Potassium	mg/L	Quarterly	7.8			
Salinity Sodium	mg/L	Quarterly	1300			+
Sulfate	mg/L	Quarterly				
	mg/L	Quarterly	80			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly	2.00			
Total dissolved solids	mg/L	Quarterly	3400			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

# **Polluntant Monitoring - Correction Log**

EPL No: 5293

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