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

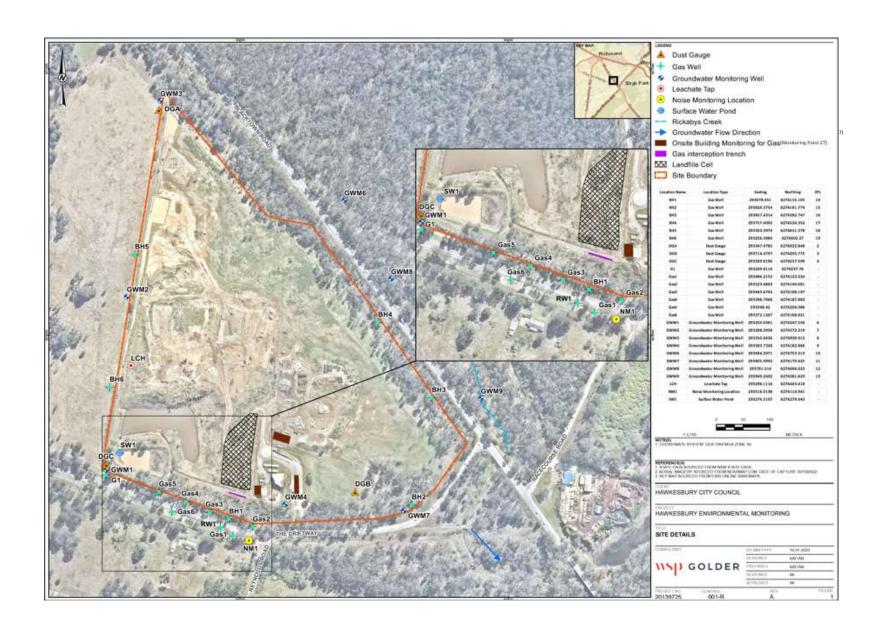
Licence number - 5293

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	14.07.2025
	Pollutant	Unit	Monitoring Frequency	Date Obtained										
	rollutarit	Oilit	Widilitoring Frequency											
				Sample Code										
C	arbon Dioxide	% v/v	Monthy	0.5	18.7	20	1	1.4	0.2	0.2	0.1	20.7	0.8	0.2
Ν	1ethane	% v/v	Monthy	0	5.4	4.4	0	0	0	0	0	0.7	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
Tonatant	01111	Wiorittoring 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
Tollatant	l oilit	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
Foliatalit	Oille	Widilitoring 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

			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	14.07.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained										
ronatant	01111	iviolitoring rrequericy											
			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	0.3

Mathana	lo/ /	In a make .		.l	1	Ι -			1 ~		1 ~-		n I
Methane	% v/v	Monthy	1 (	7.1	0.1	. [ 0	0	0	0	0	0.1	1 '	0
			Date Sampled	1									
			·	·	·	i i	·	·	]				
			Date Obtained										
			Sample Code										
Carbon Dioxide	% v/v	Monthy	-			-			-				
Methane	% v/v	Monthy							1				
	,	,				1			4				
Monitoring Point 19 - BH6			In	la . a . l .	In	In	In	In	In	In	la . o	In	In
			Date Sampled 30.09.2024	Date Sampled 31.10.2024	Date Sampled 26.11.2024	Date Sampled 16.12.2024	Date Sampled 23.01.2025	Date Sampled 27.02.2025	Date Sampled 31.03.2025	Date Sampled 23.04.2025	Date Sampled 27.05.2025	Date Sampled 12.06.2025	Date Sampled 14.07.2025
			Date Obtained	Date Obtained	Date Obtained	Date Obtained							
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained							
			Sample Code	Sample Code	Sample Code	Sample Code							
Carbon Dioxide	% v/v	Monthy	0.2						+				
Methane	% v/v	Monthy		0.2	0	0	0	0	0	0	0.1		סן
			Date Sampled	Date Sampled	Date Sampled	Data Campled	Date Sampled	Date Sampled	1				
			Date Sampleu	Date Sampled	•								
			Date Obtained										
									1				
			Sample Code	]									
									]				
Carbon Dioxide	% v/v	Monthy											
Methane	% v/v	Monthy							1				
Monitoring Point 20 - G1													
			Date Sampled	Date Sampled	Date Sampled	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	14.07.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained							
, onatant	0	into mig i requestey											
			Sample Code	Sample Code	Sample Code	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 5
Methane	% v/v	Monthy	0.5		0.0								
	,	,		1	·	1	1					1	1
									-				
			Date Sampled	!									
			Dete Okisissi	Data Object	Data Ohioissi	Data Object	Data Object	Data Ohiciand					
			Date Obtained	-									
			Sample Code										
				5					1				
Carbon Dioxide	% v/v	Monthy							]				
Methane	% v/v	Monthy							]				
Point 21 - Gas2			In	In	In	In co	In	In the Court of	In	In	In	In	In the Court of
			Date Sampled 30.09.2024	Date Sampled 31.10.2024	Date Sampled 26.11.2024	Date Sampled 16.12.2024	Date Sampled 23.01.2025	Date Sampled 25.02.2025	Date Sampled 31.03.2025	Date Sampled 23.04.2025	27.05.2025	Date Sampled 12.06.2025	Date Sampled 14.07.2025
			Date Obtained	Date Obtained	Date Obtained	Date Obtained							
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained							
			Sample Code	Sample Code	Sample Code	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	0.2
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0	0
													-
			Date Sampled										
			Date Obtained										
			Sample Code										

#### Point 22 - Gas3

Monthy

Monthy

% v/v

% v/v

Carbon Dioxide Methane

				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	14.07.2025
	Pollutant	Unit	Monitoring Frequency	Date Obtained										
	Foliutalit	Oilit	iviolitoring riequency											
				Sample Code										
Ca	arbon Dioxide	% v/v	Monthy	0.6	0.5	0.4	0.9	0.9	0.3	1.5	0.5	7.4	3.3	0.9
M	ethane	% v/v	Monthy	0	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

Г			D	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	14.07.2025
	Pollutant	Unit	Monitoring Frequency	Date Obtained										
	Foliutant	Offic	iviolitoring riequency											
				Sample Code										
C	arbon Dioxide	% v/v	Monthy	3.8	4.9	5.4	3.7	2.3	2.3	5.4	2.7	6.5	2.5	0.8
Ν	1ethane	% v/v	Monthy	0	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 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	14.07.2025
Pollutant	Unit	Monitoring Fraguency	Date Obtained										

FUIIULAIIL	01111	IVIOIIILOTTING FTEQUETICS											
			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	5.6
Methane	% v/v	Monthy	0	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	14.07.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained										
Foliutarit	Oilit												
			Sample Code										
Carbon Dioxide	% v/v	Monthy	0	0	0.1	0	0	0.1	0.1	0	0.1	0.1	0.1
Methane	% v/v	Monthy	0	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	14.07.2025
	Pollutant Unit		M	Date Obtained										
	Pollutant	Unit	Monitoring Frequency											
				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	0.6
N	Methane	% v/v	Monthy	0	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	Monthy						

				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	14.07.2025
	Pollutant	Unit	Monitoring Frequency	Date Obtained										
	ronatant	Oilit	Widilitoring Frequency											
				Sample Code										
Carbo	on Dioxide	% v/v	Monthy	4.1	7.3	6.5	3.4	3	2	5.3	4	7.5	1.6	7.1
Meth	nane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0.8	0
ivietri	idile	70 V/V	INIOITHIY	1 0	1 0	<u> </u>	<u> </u>	1 0	1 0	<u> </u>	1 0	1 0	1 0.8	1 0

| Date Sampled  |
|---------------|---------------|---------------|---------------|---------------|---------------|
|               |               |               |               |               |               |
| Date Obtained |
|               |               |               |               |               |               |
| Sample Code   |

#### Gas5

% v/v % v/v Monthy Monthy

Carbon Dioxide Methane

			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	14.07.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained										
Foliutarit	Oilit	iviolitoring rrequency											
			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	2.1

			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**

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26.11.2024	27.03.2025		
			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 3 - DGB**

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26.11.2024	27.03.2025		
			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	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26.11.2024	27.03.2025		
			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						
			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			
		0 1411,	sampled due to leachate			
			pumps offline.	6 1 6 1	c 1 c 1	6 1 6 1
			Sample Code	Sample Code	Sample Code	Sample Code
All It is / Line Line Line Line	/	0				
Alkalinity (as calcium carbonate)	mg/L	Quarterly	-	<5		
Aluminium	mg/L	Yearly		0		
Arsenic	μg/L	Yearly		8		
Barium	mg/L	Yearly		0.6		
Benzene	mg/L	Yearly Yearly		13		
Biochemical oxygen demand	mg/L					
Cadmium Calcium	μg/L	Yearly		<0.1 110		
	mg/L	Quarterly	-	390		
Chemical oxygen demand	mg/L	Yearly				
Chloride Chromium (hexavalent)	mg/L	Quarterly Yearly	-	1200 18		
	μg/L	,		18		
Cobalt	mg/L	Yearly				
Conductiviy	μS/cm	Quarterly	-	19		
Copper	μg/L	Yearly		<0.5		
Ethyl benzene Fluoride	mg/L	Yearly		<0.5		
Lead	mg/L	Yearly		<1		
	μg/L	Yearly		170		
Magnesium	mg/L	Quarterly	-	1/0		
Manganese	mg/L	Yearly		10,0001		
Mercury	mg/L	Yearly		<0.0001		
Nitrate	mg/L	Quarterly	-	6.2		
Nitrite	mg/L	Quarterly	-	0.13 160		
Nitrogen (ammonia)	mg/L	Quarterly	-			
Organochlorine pesticides	μg/L	Yearly Yearly		<1		
Orgnochlorine pesticides pH	μg/L pH			<1		
	+	Quarterly	-			
Phosphate Phosphorus (total)	mg/L	Yearly Quarterly		1.2		
Potassium	mg/L	Quarterly	-	1.2		
Sodium	mg/L	,	-	990		
Sulfate	mg/L	Quarterly Quarterly	<u> </u>	200		
Toluene	mg/L mg/L	Yearly	-	<0.5		
Total chromium	mg/L mg/L	Yearly		<0.5		
Total dissolved solids	mg/L mg/L	Quarterly		4000		
Total Iron		Yearly	-	4000		
Total organic carbon	mg/L mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L mg/L	Yearly		<0.04		
C10-C14	mg/L	Yearly		0.47		
C10-C14 C15-C28	mg/L	Yearly		1.4		
C13-C28 C29-C36	mg/L	Yearly		<0.2		
C10-C40 (Sum)	mg/L	Yearly		2		
Total Phenolics		Yearly		2		
Xylene	mg/L mg/L	Yearly		<1.5		
Zinc		Yearly		24		
ZIIIC	μg/L	Ically				I

## **Monitoring Point 5 - SW1**

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	26.05.2025		
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutarit	Offic	Worldoning Frequency				
		<u>.</u>	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

Monitoring Point 6 - GWM1						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.05.2025		
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
i onatant	0	3 3 3 3 4 3				
			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	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	0.49		
Potassium	mg/L	Quarterly	2.5			
Salinity	mg/L	Quarterly	8100			
Sodium	mg/L	Quarterly	2100			
Sulfate	mg/L	Quarterly	300	300		
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	8900	8300		
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-C40 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly		320		
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		7		
	MD/ =	1 3 ,		,		

Monitoring Point 7 - GWM2

Monitoring Point 7 - GWM2						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
1 Glidtalit	Oilit	Womtoring requeries				
			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			
Chemical oxygen demand	mg/L	Yearly		30		
Chloride	mg/L	Quarterly	3500	4700		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	9200	12000		
Copper	μg/L	Yearly	5=11	<1		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		10.5		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	290	380		
Manganese	mg/L	Yearly	250	300		
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		
pH	pH	Quarterly		<u> </u>		
Phosphate	mg/L	Yearly	-			
Phosphorus (Total)		Quarterly	0.19	1.7		
	mg/L	· · · · · · · · · · · · · · · · · · ·				
Potassium Salinity	mg/L mg/L	Quarterly Quarterly	1.1 5900	1.1 8000		+
•	-	· ·	1900	2400		
Sodium	mg/L	Quarterly				
Sulfate	mg/L	Quarterly	200	260 <0.5		-
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly	5000	0700		
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	In	In	In
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
Pollutant	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	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		.0.5		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	610	630		
Manganese	mg/L	Yearly	010	030		
Mercury	mg/L	Yearly		<0.0001		
Nitrogen Oxides	mg/L	Yearly		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
•				<1		
pH	pH	Quarterly	-			
Phosphate	mg/L	Yearly	0.24	0.00		
Phosphorus (Total)	mg/L	Quarterly	0.34	0.09		
Potassium	mg/L	Quarterly	2.7	3.3		
Salinity	mg/L	Quarterly	12000	12000		
Sodium	mg/L	Quarterly	3700	3800		
Sulfate	mg/L	Quarterly	600	570		
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	15000	14000		
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 9 - GWM4

Monitoring Point 9 - GWM4			Data Canadad	Data Camadad	Data Camalad	Data Camalad
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
Pollutant	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	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	4200		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	10000	11,000		
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	290	390		
Manganese	mg/L	Yearly	250	330		
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	pH	Quarterly	_			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.05	0.07		
Potassium	mg/L	Quarterly	1.6	0.8		
Salinity	mg/L	Quarterly	6700	7300		
Sodium	mg/L	Quarterly	1700	1900		
Sulfate	mg/L	Quarterly	140	140		
Toluene	μg/L	Yearly	140	<0.5		
Total chromium	mg/L	Yearly		<b>V</b> 0.5		
Total dissolved solids	mg/L	Quarterly	7100	7500		
	-		/100	/300		
Total organic carbon	mg/L	Yearly		<40		
Total petroleum hydrocarbons C6-C9 C10-C14	μg/L	Yearly		110		
	μg/L	Yearly				
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			I=	I	I	T=
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
ronatant	011110					
			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		2		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly				
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	13	11		
Manganese	mg/L	Yearly				
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	_	12		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.11	0.44		
Potassium	mg/L	Quarterly	0.2	0.44		
Salinity	mg/L	Quarterly	330	340		
Sodium	mg/L	Quarterly	42	51		
Sulfate	mg/L	Quarterly	17	12		
Toluene	μg/L	Yearly	1/	<0.5		+
Total chromium				<0.5		
	mg/L	Yearly	340	330		
Total dissolved solids	mg/L	Quarterly	340	330		
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-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			D. I. C	In a count t	D. I. C	In
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
Pollutant	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	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	pН	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			
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	0700	0300		
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L μg/L	Yearly		<50		
C10-C14 C15-C28				<200		
C15-C28 C29-C36	μg/L	Yearly		<200		
	μg/L	Yearly				
C10-C36 (Sum)	μg/L	Yearly		<320		
Total Phenolics	mg/L	Yearly				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		41		

Monitoring Point 12 - GWM8

Monitoring Point 12 - GWM8			Data Camaria I	Data Canada I	Data Carral	Data Carrell I
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025		
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
Allestinites (no natrium neutronata)	/1	Overstanti	540	460		
Alkalinity (as calcium carbonate) Aluminium	mg/L mg/L	Quarterly Yearly	540	400		
Ammonia	mg/L	Quarterly	0.23	0.12		
Arsenic	μg/L	Yearly	0.23	2		
Barium	mg/L	Yearly		2		
Benzene	μg/L	Yearly		<0.5		
Biochemical oxygen demand		Yearly		<5		
2	mg/L					
Cadmium	μg/L	Yearly	120	<0.1		
Calcium	mg/L	Quarterly	130	120		
Carbonate	mg/L	Quarterly	<1	220		
Chemical oxygen demand	mg/L	Yearly	5000	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	9900		
Sodium	mg/L	Quarterly	2700	3000		1
Sulfate	mg/L	Quarterly	240	270		1
Toluene	μg/L	Yearly	240	<0.5		
Total chromium	mg/L	Yearly		(0.5		
Total dissolved solids	mg/L	Quarterly	10000	11000		
Total organic carbon	mg/L	Yearly	10000	11000		
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14		Yearly		<40 <50		
C10-C14 C15-C28	μg/L	,		<200		
	μg/L	Yearly				
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

	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant			24.11.2024	26.5.2025		
			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	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	0.00	<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		10.0001		
Organochlorine pesticides	μg/L	Yearly		<1		
Organophosphate pesticides	μg/L	Yearly		<1		
pH	рН	Quarterly	_	<u> </u>		
Phosphate	mg/L	Yearly	_			
Phosphorus (Total)	mg/L	Quarterly	0.76	0.27		
Potassium	mg/L	Quarterly	7.8	9.5		
Salinity	mg/L mg/L	Quarterly	3700	6200		+
Sodium	mg/L	Quarterly	1300	1600		1
Sulfate	mg/L	Quarterly	80	120		
Toluene	μg/L	Yearly	80	<0.5		
Total chromium		,		<0.5		
Total dissolved solids	mg/L mg/L	Yearly Quarterly	3400	6000		
		,	3400	6000		
Total organic carbon	mg/L	Yearly		<40		
Total petroleum hydrocarbons C6-C9 C10-C14	μg/L	Yearly Yearly		<40 <50		
C10-C14 C15-C28	μg/L					
	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