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

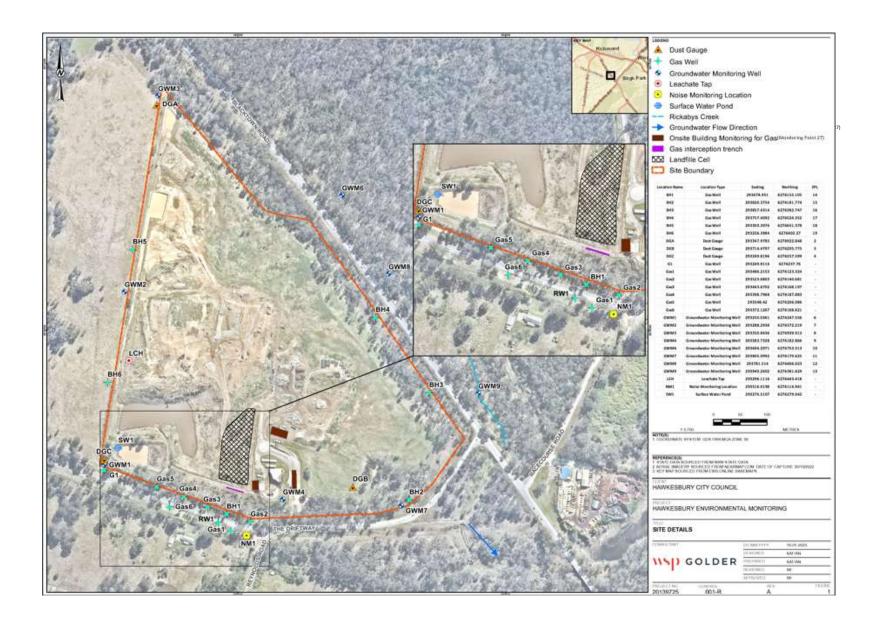
Licence number - 5293

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										
	Foliutalit	Offic	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					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.1	0.8				
Methane	% v/v	Monthy	0	0				

Monitoring Point 15 - BH2

			Date Sampled	Date Sampled
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Tollutarit	Oille	Widilitoring 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	l oilit	Wiomitoring 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	Oilit	ivionitoring rrequency			
			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										
Foliatalit	Oilit	iviolitoring riequelicy											
			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

Date Sampled Date Sampled Date Sampled Date Sampled Date Sampled Date Obtained D														
2 2 2 2 2 2 2 2 2 2	Methane	% v/v	Monthy	0	7.1	0.1	. 0	0	0	С	0	0.1		0
2 2 2 2 2 2 2 2 2 2		•				'	•	•		•	•	•	•	•
2 2 2 2 2 2 2 2 2 2										_				
Cartion Dicease S. V.V. Monthly 1.0 2.0 1.0 2.						Date Sampled	Date Sampled	Date Sampled	Date Sampled					
Sample Code														
Carrier Disorde S v V Monthly 1,7 0,1				Date Obtained	Date Obtained									
Carrier Disorde S v V Monthly 1,7 0,1				Carrala Cada	Camaria Carla	Carrala Cada	Carrala Cada	Carrala Cada	Carrala Cada					
Montatring Point 19 - BMC Montatry Montatry Montatry Frequency Publication Units Montatry Frequency Publication Units Montatry Frequency Publication Units Montatry Frequency Publication Units Montatry Montatry Frequency Publication Units Montatry Montatry Frequency Publication Units Montatry				Sample Code	Sample Code									
Montatring Point 19 - BMC Montatry Montatry Montatry Frequency Publication Units Montatry Frequency Publication Units Montatry Frequency Publication Units Montatry Frequency Publication Units Montatry Montatry Frequency Publication Units Montatry Montatry Frequency Publication Units Montatry	Carbon Dioxide	% v/v	Monthy	17	0.1									
Monitoring Point 19 - BM6														
Date Sampled Date	The charte	70 171	moneny	0.7		<u> </u>	I	ı	1	ı				
Politicate Pol	Monitoring Point 19 - BH6													
Pullutant Pull								· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			
Sample Code														
Sample Code	Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained				
Carbon Dioxide				Samuela C. 1	6	6	6	Complete Control	6	6	S l . S l	C	5	6
Date Sampled Date				Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code				
Date Sampled Date	Carbon Diovido	9/ y/y	Monthy	0.2	1.5	-	1 02	0.3	0.1	0.3	0.3	0.1	0.0	0.6
Date Sampled Date Data														
27.08.2025 23.09.2025 23.	inctidic	/0 V/V	Interior	1 0	1 0.2	1	<u>'1</u>	1 0	1 0	1		,1 0.1	1	<u> </u>
27.08.2025 23.09.2025 23.				Date Sampled	Date Sampled	ì								
Date Obtained Date Obtaine					<u> </u>	Date Samplea	Date Samplea	Date Samplea	Date Samplea					
Sample Code						Date Obtained	Date Obtained	Date Obtained	Date Obtained					
Carbon Dioxide % v/v Monthy 0.5 0.2														
Monitoring Point 20 - G1				Sample Code	Sample Code									
Monitoring Point 20 - G1										1				
Date Sampled Date Sample Code	Carbon Dioxide	% v/v	Monthy	0.5	0.2									
Pollutant Unit Un	Methane	% v/v	Monthy	0	0									
Pollutant Unit Un														
Nonlitering Frequency Date Obtained Date	Monitoring Point 20 - G1													
Pollutant					<u> </u>						· · · · · ·			
Sample Code							_	1				_		
Carbon Dioxide % v/v Monthy 0.3 12.3 6.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.2	Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained				
Carbon Dioxide % v/v Monthy 0.3 12.3 6.8 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.2				Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code				
Date Sampled Date Obtained Date Obt				Sample code	Sample code	Sample code	Sample Code	Sample code	Sample code	Sample code				
Date Sampled Date Obtained Date Obt	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	5.2
Date Sampled Date Obtained	Methane													
27.08.2025 23.09.2025 Date Obtained Date Obt														
27.08.2025 23.09.2025 Date Obtained Date Obt														
Date Obtained Da				Date Sampled	Date Sampled									
Sample Code														
Date Sampled Date				Date Obtained	Date Obtained									
Date Sampled Date														
Methane				Sample Code	Sample Code									
Methane	C. b D'. 'd.	lor r	la a th	-		-			 					
Point 21 - Gas2 Date Sampled Da									-					
Date Sampled Date SampleDate Date Date Date Date Date Date Date	ivietilalie	76 V/V	IVIORENY	1 0	1 0	1	<u> </u>		<u> </u>	I				
Date Sampled Date SampleDate Date Date Date Date Date Date Date	Point 21 - Gas2													
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 Date Obtained Date O	FUIIIL 21 - GaS2			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Nate Sampled	Date Sampled				
Date Obtained Da					 			 						· · · · · · · · · · · · · · · · · · ·
Pollutant Unit Monitoring Frequency State States State States State States Stat														
	Pollutant	Unit	Monitoring Frequency	- ste ostanica	- ste obtained	_ ste ostanica	- acc obtained	_ atc obtained	_ stc ostanica	- ste ostanica	_ stc ostanica	- ate obtained	- ste ostanica	_ atc obtained
Sample Code Sample				Sample Code	Sample Code	Sample Code	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	
Methane	% v/v	Monthy	0	0	C	0	0	0	0	0	0	0	
			Date Sampled	1									
			27.08.2025	23.09.2025					1				
			Date Obtained										
			Sample Code										
Carbon Dioxide	% v/v	Monthy	0.5	8.7									
Methane	% v/v	Monthy	0	0									

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	14.07.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained										
ronatant	01111	Widilitoring Frequency											
			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	0.9
Methane	% v/v	Monthy	0	0	C	0	0	0	0	0	0	0	0

			Date Sampled					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.2	0.7				
Methane	% v/v	Monthy	0	0				

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	14.07.2025
Pollutant	Unit	Monitoring Frequency	Date Obtained										
Foliatalit	Office	iviolitoring 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	0.8
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.1	4.4				
Methane	% v/v	Monthy	0	0				

Point 24- Gas 6

ſ				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										

FUIIULAIIL	Oill	Widilitating 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	5.6
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	6.1	5.5				
Methane	% v/v	Monthy	0	0				

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										
Pollutarit	Offic	Widilitoring Frequency											
			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					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0	0				
Methane	% v/v	Monthy	0	0				

RW1

				Date Sampled										
		Unit		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	11-24	Manitarian Francisco	Date Obtained										
	Pollutant	Unit	Monitoring Frequency											
				Sample Code										
C	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					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	5.4	1.5				
Methane	% v/v	Monthy	0	0				

			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										
Tollutarit	Oille	Widilitoring Frequency											
			Sample Code										
Carbon Dioxide	% v/v	Monthy	4.1	7.3	6.5	3.4	3	2	5.3	4	7.5	1.6	7.1
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0.8	0

		Date Sampled					
		27.08.2025	23.09.2025				
		Date Obtained					
		Sample Code					
% v/v	Monthy	10.9	0.1				
% v/v	Monthy	0	0				

Gas5

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 Un	Unit	Monitoring Frequency	Date Obtained										
	Onit	Widilitoring Frequency											
			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
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0	0	0

			Date Sampled					
			27.08.2025	23.09.2025				
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	3.5	1.8				
Methane	% v/v	Monthy	0	0				

			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	27.08.2025	
			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	<0.3	

Monitoring Point 3 - DGB

Pollutant	Unit		Start Date	Start Date	Start Date	Start Date	
			26.11.2024	27.03.2025	27.08.2025		
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date	
	Pollutalit	Offic			26.5.2025		
				Sample Code	Sample Code	Sample Code	Sample Code
Pa	articulates deposited Matter	g/m^2/month	Quarterly	0.7	0.3	0.7	

Monitoring Point 4 - DGC

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26.11.2024	27.03.2025	27.08.2025	
			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	0.7	

Monitoring Point 1 - LCH

Monitoring Point 1 - LCH				la . a		la
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	26.05.2025	27.08.2025	
			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	2100	
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	96	
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				
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	-	170	140	
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly		<0.0001		
Nitrate	mg/L	Quarterly	-	6.2	<0.05	
Nitrite	mg/L	Quarterly	-	0.13	<0.005	
Nitrogen (ammonia)	mg/L	Quarterly	-	160	-	
Organochlorine pesticides	μg/L	Yearly		<1		
Orgnochlorine pesticides	μg/L	Yearly		<1		
рН	рН	Quarterly	-		-	
Phosphate	mg/L	Yearly				
Phosphorus (total)	mg/L	Quarterly	-	1.2	1.8	
Potassium	mg/L	Quarterly	-	140	130	
Sodium	mg/L	Quarterly	-	990	930	
Sulfate	mg/L	Quarterly	-	200	140	
Toluene	mg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	-	4000	-	
Total Iron	mg/L	Yearly				
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly		<0.04		
C10-C14	mg/L	Yearly		0.47		
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		
	11-01-	, ,				I

Monitoring Point 5 - SW1

		Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	26.05.2025	27.08.2025	
Pollutant	Unit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Onit					
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	320	100	220	
Ammonia	mg/L	Quarterly	0.6	0.51	0.39	
Biochemical oxygen demand	mg/L	Quarterly	5	<5	<5	
Sulfate	mg/L	Quarterly	51	92	83	
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	27.08.2025	Date Sampleu
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	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	320	350	350	
Aluminium	mg/L	Yearly	V=V	-		
Ammonia	mg/L	Quarterly	<0.05	<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		96	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly	-	16		
Chloride	mg/L	Quarterly	4700			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	12000	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	340	
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	рН	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.12	0.49	0.18	
Potassium	mg/L	Quarterly	2.5	3.1	2.9	
Salinity	mg/L	Quarterly	8100	7800	7600	
Sodium	mg/L	Quarterly	2100	2300	2400	
Sulfate	mg/L	Quarterly	300	300	370	
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	8900	8300	8500	
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				
Xylene	μg/L	Yearly		<1.5		
Zinc	μg/L	Yearly		7		

Monitoring Point 7 - GWM2

Workering Point 7 - GWW2			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025	27.08.2025	
5 11			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	210	340	310	
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	<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	100	110	110	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly		30		
Chloride	mg/L	Quarterly	3500	4700	5000	
Chlorinated volatile compound	mg/L	Yearly	1000		2000	
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	9200	12000	11000	
Copper	μg/L	Yearly		<1	11000	
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		10.0		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	290	380	310	
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	рH	Quarterly				
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.19	1.7	0.46	
Potassium	mg/L	Quarterly	1.1	1.1	1.20	
Salinity	mg/L	Quarterly	5900	8000	7400	
Sodium	mg/L	Quarterly	1900	2400	2300	
Sulfate	mg/L	Quarterly	200	260	250	
Toluene	μg/L	Yearly	200	<0.5	250	
Total chromium	mg/L	Yearly		(0.5		
Total dissolved solids	mg/L	Quarterly	6000	8700	8300	
Total organic carbon	mg/L	Yearly	0000	0700	8300	
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		\320		
Xylene	-	Yearly		<1.5		
Zinc	μg/L μg/L	Yearly		<1.5		
ZIIIC	Ihg/r	Tearry		(5		

Monitoring Point 8 - GWM3

Monitoring Point 8 - GWM3		l	Data Campled	Data Camalad	Data Camalad	Data Camalad
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025	27.08.2025	
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) Aluminium	mg/L	Quarterly	540	570	560	
	mg/L	Yearly	.0.05	.0.05	0.05	
Ammonia	mg/L	Quarterly	<0.05	<0.05	<0.05	
Arsenic	μg/L	Yearly		<1		
Barium	mg/L	Yearly		0.5		
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	130	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly		35		
Chloride	mg/L	Quarterly	8000	7700	8200	
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	19000	19000	18000	
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	620	
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	0.34	0.09	0.29	
Potassium	mg/L	Quarterly	2.7	3.3	3.1	
Salinity	mg/L	Quarterly	12000	12000	12000	
Sodium	mg/L	Quarterly	3700	3800	4000	
Sulfate	mg/L	Quarterly	600	570	550	
Toluene	μg/L	Yearly	000	<0.5	330	
Total chromium	mg/L	Yearly		\U.5		
Total dissolved solids	mg/L	Quarterly	15000	14000	14000	
Total organic carbon	-	· · · · · · · · · · · · · · · · · · ·	13000	14000	14000	
	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 9 - GWM4

Monitoring Point 9 - GWM4			Data Campill	Data Canada I	Data Canada I	Data Cample I
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025	27.08.2025	
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	98	
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05	<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	20	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly		30		
Chloride	mg/L	Quarterly	4000	4200	4500	
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	10000	11,000	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	290	390	340	
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		
На	pH	Quarterly	_	-		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.05	0.07	0.12	
Potassium	mg/L	Quarterly	1.6	0.8		
Salinity	mg/L	Quarterly	6700		6800	
Sodium	mg/L	Quarterly	1700	1900	2000	
Sulfate	mg/L	Quarterly	140	140	130	
Toluene	μg/L	Yearly	140	<0.5	150	
Total chromium	mg/L	Yearly		VO. 3		
Total dissolved solids	mg/L	Quarterly	7100	7500	7300	
Total organic carbon	mg/L	Yearly	7100	7500	7300	
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L μg/L	Yearly		110		
C15-C28		Yearly		<200		
C15-C28 C29-C36	μg/L	,		<200		
	μg/L	Yearly				
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
			24.11.2024	26.5.2025	27.08.2025	
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
· onatant	0	incincoling in equality				
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	190	90	110	
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.01	<0.01	0.02	
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	23	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly		46		
Chloride	mg/L	Quarterly	46	62	20	
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	510	520	290	
Copper	μg/L	Yearly		2		
Ethyl benzene	μg/L	Yearly		<0.5		
Fluoride	mg/L	Yearly		10.13		
Lead	μg/L	Yearly		<1		
Magnesium	mg/L	Quarterly	13	11	7.8	
Manganese	mg/L	Yearly	13		7.0	
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)	mg/L	Quarterly	0.11	0.44	0.45	
		, , , , , , , , , , , , , , , , , , ,				
Potassium Salinity	mg/L	Quarterly	0.2	0.4 340	0.3	
Salinity	mg/L	Quarterly			190	
Sodium	mg/L	Quarterly	42 17	51 12	31	
Sulfate	mg/L	Quarterly	1/		11	
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly	2.0		270	
Total dissolved solids	mg/L	Quarterly	340	330	270	
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			T=	I	I , .	
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024	26.5.2025	27.08.2025	
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	180	
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	0.03	0.04	
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	61	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly		34		
Chloride	mg/L	Quarterly	3900	3600	4100	
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	10000	10,000	9,700	
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	250	
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	0.33	
Potassium	mg/L	Quarterly	0.4	1.2	0.6	
Salinity	mg/L	Quarterly	6600	6500	6300	
Sodium	mg/L	Quarterly	1900	1800	2000	
Sulfate	mg/L	Quarterly	100	84	110	
Toluene	μg/L	Yearly	100	<0.5	110	
Total chromium	mg/L	Yearly		(0.5		
Total dissolved solids	mg/L	Quarterly	6700	6500	6900	
Total organic carbon	mg/L	Yearly	0700	0300	0300	
Total petroleum hydrocarbons C6-C9	μg/L	Yearly		<40		
C10-C14	μg/L μg/L	Yearly		<50		
C15-C28		Yearly		<200		
	μg/L	· ·		<200		
C29-C36	μg/L	Yearly		<200 <320		
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			Date Sampled	Date Sampled	Date Sampled	Date Sampled
						Date Sampled
			24.11.2024	26.5.2025	27.08.2025	D. I. D. I. Ol. I.
Pollutant	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	540	460	470	
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.23	0.12	0.14	
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	120	
Carbonate	mg/L	Quarterly	<1		<1	
Chemical oxygen demand	mg/L	Yearly		230		
Chloride	mg/L	Quarterly	6200	5900	6300	
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	15000	15,000	14,000	
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	390	480	420	
Manganese	mg/L	Yearly	330	400	420	
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)	mg/L	Quarterly	4.7	1.6	1.6	
Potassium	-	Quarterly	2.7	1.6	4.1	
Salinity	mg/L mg/L	Quarterly	9500	9900	94.1	
Sodium	-	Quarterly	2700	3000	3100	
Sulfate	mg/L mg/L	Quarterly	2700	270	260	
Toluene	-	Yearly	240	<0.5	260	
	μg/L			<0.5		
Total chromium	mg/L	Yearly	10000	11000	11000	
Total dissolved solids	mg/L	Quarterly	10000	11000	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

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant	Unit	Monitoring frequency	24.11.2024	26.5.2025	27.08.2025	
			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	220	
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.17	0.12	0.15	
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	90	
Carbonate	mg/L	Quarterly	<1	-	<1	
Chemical oxygen demand	mg/L	Yearly		50		
Chloride	mg/L	Quarterly	2000	3300	5000	
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	μg/L	Yearly		<1		
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	5700	9,500	12,000	
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	100	150	270	
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	pН	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.76	0.27	0.39	
Potassium	mg/L	Quarterly	7.8	9.5	10	
Salinity	mg/L	Quarterly	3700	6200	7800	
Sodium	mg/L	Quarterly	1300	1600	2500	
Sulfate	mg/L	Quarterly	80	120	220	
Toluene	μg/L	Yearly		<0.5		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	3400	6000	8400	
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