Hawkesbury Waste Management Facility - Yearly Summary for 2023/24

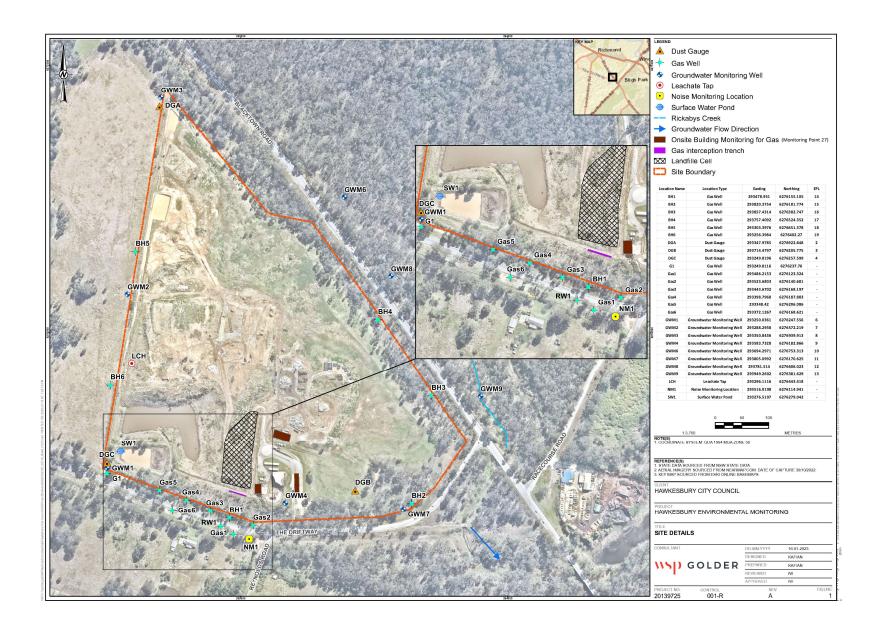
Licence number - 5293

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

Pollutant			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Fraguency	Date Obtained					
	Offic	Monitoring Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	7.6	8.9	7.7	10.1	6.5	0
Carbon Dioxide	% v/v	Monthy	10.7	11.7	12.1	10.4	18.1	23.1
Methane	% v/v	Monthy	0.1	0.8	7.8	0.7	0.9	8.4

			Date Sampled					
					Date Sampled	Date Sampled	Date Sampled	
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	19	19.3	4.5	3.4	4.3	4.5
Carbon Dioxide	% v/v	Monthy	5	0	17.4	11.9	17.1	14.3
Methane	% v/v	Monthy	0.9	0.5	3.9	0.5	1.8	1.6

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	21.6	21.1	0
Carbon Dioxide	% v/v	Monthy	0.1	1.1	22.1
Methane	% v/v	Monthy	0	0	6

Monitoring Point 15 - BH2

	Unit		Date Sampled	Date Sampled
Pollutant			21/05/2024	
		Monitoring Frequency	Date Obtained	Date Obtained
Foliatalit	Oilit	Widilitoring Frequency	21/05/2024	
			Sample Code	Sample Code
Oxygen	% v/v	Every 6 Months	15.1	
Carbon Dioxide	% v/v	Every 6 Months	3.3	
Methane	% v/v	Every 6 Months	0	

Monitoring Point 16 - BH3

			Date Sampled	Date Sampled
Pollutant			21/05/2024	
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Pollutalit	Offic	Worldoning Frequency	21/05/2024	
			Sample Code	Sample Code
Oxygen	% v/v	Every 6 Months	12.3	
Carbon Dioxide	% v/v	Every 6 Months	4.5	
Methane	% v/v	Every 6 Months	0	

Monitoring Point 17 - BH4

			Date Sampled	Date Sampled
Pollutant			21/05/2024	
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
	Oilit	Worldonlig Frequency	21/05/2024	
			Sample Code	Sample Code
Oxygen	% v/v	Every 6 Months	13.1	
Carbon Dioxide	% v/v	Every 6 Months	2.3	
Methane	% v/v	Every 6 Months	0	

Monitoring Point 18 - BH5

Pollutant			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Frequency	Date Obtained					
	Offic	Worldoning Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	16.4	16.7	15.9	18.7	17.7	15.3
Carbon Dioxide	% v/v	Monthy	2.1	1	1.2	0.4	0.3	5.3
Methane	% v/v	Monthy	0.1	0.2	0.1	0.1	0	3.8

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	19	19.1	19.4	5.5	7.6	20.7
Carbon Dioxide	% v/v	Monthy	0	0	0	7.6	10	0

Methane	% v/v	Monthy	0.3	0.1	0.1	0	1.5	0.1
			Date Sampled	Date Sampled	Date Sampled			
			20/06/2024	2/08/2024	30/08/2024			
			Date Obtained	Date Obtained	Date Obtained	1		
			20/06/2024	2/08/2024	30/08/2024	1		
			Sample Code	Sample Code	Sample Code			
Oxygen	% v/v	Monthy	21	21.1	20.7			
Carbon Dioxide	% v/v	Monthy	0.1	0.1	0.1			
Methane	% v/v	Monthy	0	0	0			
					_	-		
Monitoring Point 19 - BH6			1	I= · - · ·	I= · - · ·	I- · - · ·	I= · - · ·	I= · - · ·
			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	
Pollutant	Unit	Monitoring Frequency	Date Obtained					
			29/06/2023		2/11/2023	22/10/2023	31/10/2023	
			Sample Code					
Oxygen	% v/v	Monthy	0			12.1	11.6	
Carbon Dioxide	% v/v	Monthy	12.1	15.3	1	3.1	2.5	
Methane	% v/v	Monthy	17.1	19.3	0.6	6.5	8.3	0
			Date Sampled					
			2/01/2024		21/02/2024	2/04/2024	24/04/2024	
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
	In. 1	I						
Oxygen	% v/v	Monthy	19		19.5	20.5		20.2
Carbon Dioxide	% v/v	Monthy	0				0.1	0
Methane	% v/v	Monthy	0.2	0.1	0	0	0.3	0.1
						•		
			Date Sampled	Date Sampled	Date Sampled			
			20/06/2024	2/08/2024	30/08/2024			
			Date Obtained	Date Obtained	Date Obtained			
			20/06/2024		30/08/2024			
			Sample Code	Sample Code	Sample Code			
	1							
Oxygen	% v/v	Monthy	21.2	20.7	20.4			

0.1

0.4

0.1

0

Carbon Dioxide

Methane

% v/v

% v/v

Monthy

Monthy

Monitoring Point 20 - G1

Pollutant			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Frequency	Date Obtained					
	Offic		29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	20.1	20.4	16.7	12.3	13.1	4.7
Carbon Dioxide	% v/v	Monthy	0.2	0.2	12.4	6.1	4.2	5.4
Methane	% v/v	Monthy	0	0	0	0	0	0

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	12.7	20	15.5	20.4	5.5	21.1
Carbon Dioxide	% v/v	Monthy	4	0	0	0	14.3	0.1
Methane	% v/v	Monthy	0	0	0	0	0	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	20.8	21.2	5.6
Carbon Dioxide	% v/v	Monthy	0.1	0.4	10.1
Methane	% v/v	Monthy	0	0	0

Point 21 - Gas2

Pollutant		it Monitoring Frequency	Date Sampled					
	Unit		29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
			Date Obtained					
			29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v		17.6	16.7	15.4	20.1	19.8	17.3
Carbon Dioxide	% v/v	Monthy	0.6	1.4	1.1	0.1	0.1	8.5

Methane	% v/v	Monthy	0	0	0	0	0	0
-			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	18	17.3	19.5	20.4	15.3	10
Carbon Dioxide	% v/v	Monthy	1.6	1.2	0.1	0.3	2.9	10.6
Methane	% v/v	Monthy	0	0	0	0	0	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	21.5	18.2	8.3
Carbon Dioxide	% v/v	Monthy	0.1	4.3	12.6
Methane	% v/v	Monthy	0	0	0

Point 22 - Gas3

Pollutant U			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Frequency	Date Obtained					
	Offic	World of the green cy	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	18.8	19.5	17.7	17.3	16.7	18.1
Carbon Dioxide	% v/v	onthy	0.5	1.3	1.2	2.2	2.1	2.1
Methane	% v/v	Monthy	0	0	0	0	0	0

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	19.6	19.4	18	18	19.1	21.2
Carbon Dioxide	% v/v	Monthy	0.3	0.4	1.4	1	1.1	0.3

Methane	% v/v	Monthy	0	0	0	0	0	0
			Date Sampled	Date Sampled	Date Sampled			
			20/06/2024	2/08/2024	30/08/2024			
			Date Obtained	Date Obtained	Date Obtained			
			20/06/2024	2/08/2024	30/08/2024			
			Sample Code	Sample Code	Sample Code			
Oxygen	% v/v	Monthy	21.1	21	18.2			
Carbon Dioxide	% v/v	Monthy	0.3	0.5	1.8			
Methane	% v/v	Monthy	0	0	0			

Point 23 - Gas4

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			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
Pollutant	Unit	Monitoring Frequency	Date Obtained					
Foliutalit	Offic	Worldoning Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	15.5	20	15.4	12.9	16.7	17.8
Carbon Dioxide	% v/v	Monthy	0.4	0.7	0.9	1.6	1.9	8.5
Methane	% v/v	Monthy	0	0	0	0	0	0
			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	16.2	14.6	10.8	15.4	11.9	15.4
Carbon Dioxide	% v/v	Monthy	4	5.2	9.5	2.2	2.8	5.3
Methane	% v/v	Monthy	0	0	0	0.1	0	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	14.6	19	7.7
Carbon Dioxide	% v/v	Monthy	5.9	2.1	12
Methane	% v/v	Monthy	0	0	0

Point 24- Gas 6

Pollutant U			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Frequency	Date Obtained					
	Offic	Worldoning Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	13.9	19.9	14.8	17.3	18.2	13.2
Carbon Dioxide	% v/v	lonthy	0.3	0.8	0.9	0.5	0.9	6.1
Methane	% v/v	Monthy	0	0	0.1	0	0	0

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	13.2	14	13.9	17.9	18.9	18.5
Carbon Dioxide	% v/v	Monthy	5.1	5.1	6.1	2.7	2.9	3.1
Methane	% v/v	Monthy	0	0	0	0	0	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	21.3	16.2	15.7
Carbon Dioxide	% v/v	Monthy	0.1	4.1	4.1
Methane	% v/v	Monthy	0	0	0

Point 25 - Gas interception trench

Pollutant			Date Sampled					
	Unit		29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
		Monitoring Frequency	Date Obtained					
	Offic	Monitorning Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Oxygen	% v/v	Monthy	19.3	19.2	18.9	19.9	19.4	19.3
Carbon Dioxide	% v/v	lonthy	0.1	0.9	0.4	0.5	0.3	0.3
Methane	% v/v	Monthy	0.5	0.1	0.2	0.2	0.3	0.2

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	19.5	19.6	19.5	20.2	19.2	19.9
Carbon Dioxide	% v/v	Monthy	0.3	0.1	0.4	0.5	1.1	0.3
Methane	% v/v	Monthy	0	0	0	0.2	0.2	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	21.2	21.7	20.3
Carbon Dioxide	% v/v	Monthy	0.2	0.1	0.2
Methane	% v/v	Monthy	0	0	0.1

RW1

Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	11.31	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Unit		29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy				16.2	14.3	16.1
Carbon Dioxide	% v/v	Monthy	Well no installed yet			1.4	2.3	1.7
Methane	% v/v	Monthy				0	0	0.3

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	17.2	19.4	4.3	8.7	1.5	8.3
Carbon Dioxide	% v/v	Monthy	2.1	0.3	17.1	12.1	19.6	10.3
Methane	% v/v	Monthy	0	0	0.1	0.1	0	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	21.2	20.8	15.7
Carbon Dioxide	% v/v	Monthy	0.1	0.7	4.1
Methane	% v/v	Monthy	0	0	0

Gas1

Pollutant I			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Manitonia - Furnica	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Oilit	Monitoring Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
								0
Carbon Dioxide	% v/v	Monthy	Unable to be located			2.7	3.1	7.6
Methane	% v/v	Monthy				0.1	0.1	0

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	18.1	17.3	15.5	16.1	19.5	14.4
Carbon Dioxide	% v/v	Monthy	1.2	1.2	4.3	0.3	0.8	5.5
Methane	% v/v	Monthy	0	0	0	0	0	0

Date Sampled	Date Sampled	Date Sampled
20/06/2024	2/08/2024	30/08/2024
Date Obtained	Date Obtained	Date Obtained
20/06/2024	2/08/2024	30/08/2024

			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	20.6	20.9	8.8
Carbon Dioxide	% v/v	Monthy	0.7	0.5	11.1
Methane	% v/v	Monthy	0	0	0

Gas5

Pollutant		Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit		Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Oilit		29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	Unable to be located			0.5	0.8	7.3
Methane	% v/v	Monthy				0	0	0

			Date Sampled					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Date Obtained					
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code					
Oxygen	% v/v	Monthy	16.5	17.6	12		17	18.3
Carbon Dioxide	% v/v	Monthy	5.1	5.1	6.1	2.7	2.9	3.1
Methane	% v/v	Monthy	0	0	0	0	0	0

			Date Sampled	Date Sampled	Date Sampled
			20/06/2024	2/08/2024	30/08/2024
			Date Obtained	Date Obtained	Date Obtained
			20/06/2024	2/08/2024	30/08/2024
			Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthy	20.6	18.8	11.5
Carbon Dioxide	% v/v	Monthy	0.1	2.5	8.2
Methane	% v/v	Monthy	0	0	0

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug-23	Nov-23	Feb-24	May-24
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Aug-23	Nov-23	Feb-24	May-24
			Sample Code	Sample Code	Sample Code	Sample Code
Point 27 - Inside all buildings	Unit	Monitoring Frequency				
HCC Lunch Room Demountable						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.000
HCC Toliet Demountable						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.000
Recycling Shed						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.000
Gatehouse/ Weighbridge						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.000
Tools Storage Shed						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.000
Equipment Shed						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.000
			Date Sampled			
			Aug-24]		
			Date Data Obtained			
			Aug-24]		
			Sample Code	1		
Point 27 - Inside all buildings	Unit	Monitoring Frequency]		
HCC Lunch Room Demountable						
Methane	% v/v	Quarterly	<0.0005	1		
HCC Toliet Demountable				1		
Methane	% v/v	Quarterly	<0.0005			
Recycling Shed						
Methane	% v/v	Quarterly	<0.0005			

<0.0005

Gatehouse/ Weighbridge

Tools Storage Shed

% v/v Quarterly

Methane

<0.0005

<0.0005

<0.0005

<0.0005

<0.0005

<0.0005

Methane	% v/v	Quarterly	<0.0005
Equipment Shed			
Methane	% v/v	Quarterly	<0.0005

Monitoring Point 2 - DGA

		9	Start Date		Start Date	Start Date	Start Date
			М	lay-23	Aug-23	Nov-23	Feb-24
Pollutant	Unit	Monitoring Frequency	Data Collection Da	ite	Data Collection Date	Data Collection Date	Data Collection Date
ronatant			А	ug-23	Nov-23	Feb-24	May-24
			Sample Code		Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly		0.1	<0.3	<0.3	<0.3
			Start Date		Start Date	Start Date	Start Date
			М	lay-24			
			Data Collection Da	ite	Data Collection Date	Data Collection Date	Data Collection Date
			А	ug-24			
			Sample Code		Sample Code	Sample Code	Sample Code
							·
				<0.3			

Monitoring Point 3 - DGB

Monitoring Foint 3 - Dab								
		Monitoring Frequency	Start Date		Start Date	Start Date	Start Date	
			М	lay-23	Aug-23	Nov-23		Feb-24
Pollutant	Unit		Data Collection Da	ite	Data Collection Date	Data Collection Date	Data Collection D	ate
Foliutarit	Oilit		А	ug-23	Nov-23	Feb-24	N	Лау-24
			Sample Code		Sample Code	Sample Code	Sample Code	
Particultes deposited Matter	g/m^2/month	Quarterly		0.5	1.2	0.5		<0.3
			Start Date		Start Date	Start Date	Start Date	
			М	lay-24				
			Data Collection Da	ite	Data Collection Date	Data Collection Date	Data Collection D	ate
			А	ug-24				
			Sample Code		Sample Code	Sample Code	Sample Code	
							·	
				<0.3				

Monitoring Point 4 - DGC

ivionitoring Point 4 - DGC							
			Start Date		Start Date	Start Date	Start Date
				May-23	Aug-23	Nov-23	Feb-24
Pollutant	Unit	Monitoring Frequency	Data Collection	Date	Data Collection Date	Data Collection Date	Data Collection Date
Pollutarit	Offic			Aug-23	Nov-23	Feb-24	May-24
			Sample Code		Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly		1.5	0.9	<0.3	<0.3
•			Start Date		Start Date	Start Date	Start Date
				May-24			
			Data Collection	Date	Data Collection Date	Data Collection Date	Data Collection Date
				Aug-24			
			Sample Code		Sample Code	Sample Code	Sample Code
				<0.3			

Monitoring Point 1 - LCH

Monitoring Point 1 - LCH							
			Date Sampled				
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29.08.2024
Pollutant	Linit	Monitoring Fraguency	Date Data Obtained				
Pollutarit	Unit	Monitoring Frequency	2/11/2023				
			Sample Code				
			SE253182	SE257526	SE261147	SE265709	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	1900	1800	410	300	2,600
Aluminium	mg/L	Yearly				<0.0001	·
Arsenic	mg/L	Yearly				0.002	
Barium	mg/L	Yearly				<0.02	
Benzene	mg/L	Yearly				<0.0005	
Biochemical oxygen demand	mg/L	Yearly				10	
Cadmium	mg/L	Yearly				<0.0001	
Calcium	mg/L	Quarterly	63	69	99	63	43
Chemical oxygen demand	mg/L	Yearly	00	03	33	200	
Chloride	mg/L	Quarterly	1100	1300	1,300	77	1,900
Chromium (hexavalent)	mg/L	Yearly	1100	1500	1,300	0.002	1,500
Cobalt	mg/L	Yearly				<0.02	
Conductiviy	μS/cm	Quarterly	435	621	760	545	_
Copper	mg/L	Yearly	455	021	700	0.002	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.3	
Lead	mg/L	Yearly				<0.01	
Magnesium	mg/L	Quarterly	100	100	130	21	130
	-		100	100	130	<0.1	130
Manganese	mg/L mg/L	Yearly Yearly				<0.10	
Mercury Nitrate	mg/L		<0.1	<0.5	<0.25	0.38	<0.05
		Quarterly					
Nitrite	mg/L	Quarterly	<0.005	<0.005	0.14	<0.005	0.10
Nitrogen (ammonia)	mg/L	Yearly	-	-	-	3.9	-
Organochlorine pesticides	mg/L	Yearly				<0.001 <0.001	
Orgnochlorine pesticides	mg/L	Yearly	7.10	7.00	6.70		
pH	pH	Quarterly	7.10	7.02	6.78	6.89	5.53
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (total)	mg/L	Quarterly	4.2	1.8		0.36	
Potassium	mg/L	Quarterly	120			18	
Sodium	mg/L	Quarterly	860		1,100	61	1,500
Sulfate	mg/L	Quarterly	45	29	52	4.6	6.6
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				0.002	
Total dissolved solids	mg/L	Quarterly	3200	4000	4,400	570	4,700
Total Iron	mg/L	Yearly				0.1	
Total organic carbon	mg/L	Yearly				12	
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C15-C28	mg/L	Yearly				<200	
C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				<0.005	

Monitoring Point 5 - SW1

GPS 33.633379 150.771537

Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/08/2024		
	Unit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
	Offic	Monitoring Frequency	2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
				New location		
Alkalinity (as calcium carbonate)	mg/L	Quarterly		280		
Ammonia	mg/L	Quarterly		2.1		
Biochemical oxygen demand	mg/L	Quarterly	Point no longer exsits	6		
Sulfate	mg/L	Quarterly		82		
Total Phenolics	mg/L	Yearly				

Monitoring Point 6 - GWM1

Monitoring Point 6 - GWM1			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023		<u> </u>	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency	2/11/2023	SE257526			SE261147
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
			SE253182	Sumple code	Sumple code	Sumple code	oumpre code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	290	290	280	300	340
Aluminium	mg/L	Yearly	250	250	200	<0.01	3.0
Ammonia	mg/L	Quarterly	0.03	0.01	<0.1	<0.05	<0.05
Arsenic	mg/L	Yearly	0.00	0.01	10.1	<0.001	10.00
Barium	mg/L	Yearly				<0.01	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				0.0002	
Calcium	mg/L	Quarterly	85	97	100		91
Carbonate	mg/L	Quarterly	<1		<1		<1
Chemical oxygen demand	mg/L	Yearly	\ <u></u>	<u> </u>	<u> </u>	29	
Chloride	mg/L	Quarterly	4300	4100	3,900		4,500
Chlorinated volatile compound	mg/L	Yearly	4300	4100	3,900	<0.001	4,500
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.001	
Conductivity	μS/cm	Quarterly	13000	13000	13,000		12,500
Copper	mg/L	Yearly	13000	13000	13,000	0.003	12,500
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.5	
Lead	mg/L	Yearly				<0.01	
			290	300	310		320
Magnesium Manganese	mg/L mg/L	Quarterly Yearly	290	300	310	<0.1	320
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.001	
Organochlorine pesticides		Yearly				<0.01	
Organophosphate pesticides	mg/L	Yearly				<0.001	
pH	mg/L		6.51	6.59	6.7	6.67	6.7
Phosphate	pH mg/L	Quarterly Yearly	0.51	0.39	0.7	<1	0.7
Phosphorus (Total)		'	0.97	1	0.41	0.42	0.08
Potassium	mg/L	Quarterly	0.97		0.41		
Salinity	mg/L	Quarterly Quarterly	8300				2.6 8,100
Sodium	mg/L	<u> </u>	2000		-,	· · · · · · · · · · · · · · · · · · ·	2,300
Sulfate	mg/L mg/L	Quarterly Quarterly	300				2,300
Toluene		Yearly	300	200	280	<0.5	270
Total chromium	mg/L					<0.001	
Total dissolved solids	mg/L	Yearly	7000	8800	0.200		6.700
	mg/L	Quarterly	7000	8800	8,200	8,500	6,700
Total organic carbon	mg/L	Yearly					
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14 C15-C28	mg/L	Yearly				<50 <200	
	mg/L	Yearly					
C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	mg/L	Yearly				<1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.022	

Monitoring Point 7 - GWM2

Monitoring Point 7 - GWIVI2			I	1	1	I	I
			Date Sampled				
			30/08/2023		21/02/2024	21/05/2024	29/08/2024
Pollutant	Unit	Monitoring frequency	Date Data Obtained				
			2/11/2023				SE261147
			Sample Code				
			SE253182	SE257526		SE265709	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	300	310	90	190	280
Aluminium	mg/L	Yearly				<0.1	
Ammonia	mg/L	Quarterly	0.02	<0.01	<0.1	<0.05	0.03
Arsenic	mg/L	Yearly				<0.001	
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				<0.0001	
Calcium	mg/L	Quarterly	100	120	20	110	97
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				29	
Chloride	mg/L	Quarterly	4700	4600	3,700	4,600	3,900
Chlorinated volatile compound	mg/L	Yearly				<0.01	
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	μS/cm	Quarterly	14000	14000	12,000	13,000	12,000
Copper	mg/L	Yearly				0.002	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
Magnesium	mg/L	Quarterly	290	310	300	310	270
Manganese	mg/L	Yearly				<0.1	-
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
рН	pH	Quarterly	6.51	6.55	6.57	6.5	6.55
Phosphate	mg/L	Yearly	0.51	0.55	0.57	<0.1	0.55
Phosphorus (Total)	mg/L	Quarterly	0.61	2.4	0.04	0.10	0.36
Potassium	mg/L	Quarterly	1.3		0.7	1.1	1.2
Salinity	mg/L	Quarterly	9000		+	8,300	6,900
Sodium	mg/L	Quarterly	2100			2,100	2,100
Sulfate	mg/L	Quarterly	290		140	280	210
Toluene	mg/L	Yearly	250	270	140	<0.5	210
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	9100	9800	7,500	5,800	6,200
Total organic carbon	mg/L	Yearly	9100	3800	7,500	3,800	0,200
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C15-C14 C15-C28	mg/L	Yearly				<200	
C15-C28 C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	-	Yearly				<0.1	
	mg/L					<0.1	
Xylene	mg/L	Yearly					
Zinc	mg/L	Yearly				0.009	

Monitoring Point 8 - GWM3

Monitoring Point 8 - GWM3				1	1	1	1
			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	<u> </u>	- ' '	<u> </u>
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
· onatant	0	monitoring requestoy	2/11/2023				SE261147
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
			SE253182	SE257526	SE261147	SE265709	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	530	530	520		550
Aluminium	mg/L	Yearly				<0.1	
Ammonia	mg/L	Quarterly	0.03	0.06	<0.05	<0.05	0.12
Arsenic	mg/L	Yearly				<0.001	
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				<0.0001	
Calcium	mg/L	Quarterly	120	110	110	110	120
Carbonate	mg/L	Quarterly	<1	<1			
Chemical oxygen demand	mg/L	Yearly				53	
Chloride	mg/L	Quarterly	7100	7,300	6,600	7,600	
Chlorinated volatile compound	mg/L	Yearly	7200	7,500	0,000	<0.01	7,000
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	μS/cm	Quarterly	21000	21,000	18,000		19,500
Copper	mg/L	Yearly	21000	21,000	10,000	0.002	15,500
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
			570	550	570		590
Magnesium	mg/L	Quarterly	5/0	550	5/0	360 <0.1	590
Manganese	mg/L	Yearly					
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
pH	pH	Quarterly	6.11	6.45	6.34	6.23	6.46
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (Total)	mg/L	Quarterly	0.49	0.67	0.28		
Potassium	mg/L	Quarterly	3.4	3.1	2.6		
Salinity	mg/L	Quarterly	14000	14,000	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Sodium	mg/L	Quarterly	3500	3,700		3,400	
Sulfate	mg/L	Quarterly	570	560	550	590	490
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	12000	16,000	14,000	15,000	11,000
Total organic carbon	mg/L	Yearly				7	
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C15-C28	mg/L	Yearly				<200	
C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.009	

Monitoring Point 9 - GWM4

Monitoring Point 9 - GWM4		I	In	In a constant	In a constant	In	In a constant
			Date Sampled				
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	
Pollutant	Unit	Monitoring frequency	Date Data Obtained				
			2/11/2023			SE265709	
			Sample Code				
			SE253182				
Alkalinity (as calcium carbonate)	mg/L	Quarterly	92	94	310	86	99
Aluminium	mg/L	Yearly				<0.1	
Ammonia	mg/L	Quarterly	0.02	<0.01	<0.05	<0.05	<0.05
Arsenic	mg/L	Yearly				0.001	
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				0.0002	
Calcium	mg/L	Quarterly	20	21	220	19	19
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	
Chemical oxygen demand	mg/L	Yearly				35	
Chloride	mg/L	Quarterly	4000	4,000	4,000	3,900	4,100
Chlorinated volatile compound	mg/L	Yearly				<0.1	
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	μS/cm	Quarterly	12,000	12,000	14,000	12,000	11,500
Copper	mg/L	Yearly				0.002	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
Magnesium	mg/L	Quarterly	270	310	310	310	290
Manganese	mg/L	Yearly	-			<0.1	
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
рН	pH	Quarterly	6.21	6.54	6.34	6.3	5.97
Phosphate	mg/L	Yearly	V.E.	0.5 1	0.5 1	<0.1	5.57
Phosphorus (Total)	mg/L	Quarterly	0.13	0.06	0.94	0.36	0.21
Potassium	mg/L	Quarterly	1.4	1.2	0.9	0.8	
Salinity	mg/L	Quarterly	7600	7,700	9,400	7,600	
Sodium	mg/L	Quarterly	1700	1,900	2,300	1,900	
Sulfate	mg/L	Quarterly	150	130	250	140	140
Toluene	mg/L	Yearly	130	130	230	<0.5	140
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	7500	7,800	9,100	7,400	6,100
Total dissolved solids Total organic carbon	mg/L	Yearly	7300	7,800	9,100	7,400	-,
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				140	
C10-C14 C15-C28	+	,				<200	
C15-C28 C29-C36	mg/L	Yearly				<200 <200	
	mg/L	Yearly					
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.022	

Monitoring Point 10 - GWM6

Monitoring Point 10 - GWM6			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023		21/05/2024	29/08/2024
			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	
			2/11/2023 Sample Code	Sample Code	Sample Code	Sample Code	SE261147 Sample Code
			SE253182	SE257526		SE265709	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	91	81	100	130	150
Aluminium	mg/L	Yearly	31	81	100	<0.1	130
Ammonia	mg/L	Quarterly	0.05	<0.01	0.10	0.39	0.02
Arsenic	mg/L	Yearly	0.03	V0.01	0.10	<0.001	0.02
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.1	
Biochemical oxygen demand	-	Yearly				6	
Cadmium	mg/L mg/L	Yearly				<0.0001	
Calcium	-	Quarterly	23	180	220	30	24
Carbonate	mg/L mg/L	Quarterly	<1	<1		<1	31
Chemical oxygen demand	mg/L mg/L	Yearly	<1	<1	<1	570	<1
Chloride	mg/L mg/L	Quarterly	94	850	1,400	75	47
		. ,	94	830	1,400	<0.1	47
Chlorinated volatile compound	mg/L	Yearly				<0.10	
Chromium (hexavalent)	mg/L	Yearly					
Cobalt	mg/L	Yearly	500	2.000	F 400	<0.1 600	4.500
Conductivity	μS/cm	Quarterly	500	2,900	5,100		1,500
Copper	mg/L	Yearly				0.003	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
Magnesium	mg/L	Quarterly	11	100	140	20	14
Manganese	mg/L	Yearly				<0.1	
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
pH	pH	Quarterly	7.75	7.65	7.7	7.71	7.07
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (Total)	mg/L	Quarterly	0.17	2.6		8.6	
Potassium	mg/L	Quarterly	0.5	1.2		0.9	
Salinity	mg/L	Quarterly	330	1,900		390	280
Sodium	mg/L	Quarterly	59	380	520	100	54
Sulfate	mg/L	Quarterly	17	30	43	24	18
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	290	7,800	4,000	1,600	430
Total organic carbon	mg/L	Yearly				5	
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C15-C28	mg/L	Yearly				<200	
C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<0.1	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.007	

Monitoring Point 11 - GWM7

Monitoring Point 11 - GWM7			la	la	la	la	la
			Date Sampled				
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
Pollutant	Unit	Monitoring frequency	Date Data Obtained				
			2/11/2023				SE261147
			Sample Code				
			SE253182	SE257526	SE261147	SE265709	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	200	210	220		230
Aluminium	mg/L	Yearly				<0.1	
Ammonia	mg/L	Quarterly	0.02	<0.01	<0.01	0.01	0.02
Arsenic	mg/L	Yearly				<0.001	
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				0.0002	
Calcium	mg/L	Quarterly	37	38	37	31	36
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				22	
Chloride	mg/L	Quarterly	3600	3,600	3,400	3,600	3,800
Chlorinated volatile compound	mg/L	Yearly				<0.1	
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	μS/cm	Quarterly	11,000	11,000	12,000	10,000	10,000
Copper	mg/L	Yearly				0.003	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
Magnesium	mg/L	Quarterly	160	160	160	140	170
Manganese	mg/L	Yearly				<0.1	-
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
рН	pH	Quarterly	5.98	6.04	6.1	5.99	6.16
Phosphate	mg/L	Yearly	5.50	0.01	0.12	<0.1	0.20
Phosphorus (Total)	mg/L	Quarterly	0.1	0.13	0.47	0.35	0.25
Potassium	mg/L	Quarterly	0.8	0.19	0.47	0.53	0.23
Salinity	mg/L	Quarterly	7200	7,200	7,500		
Sodium	mg/L	Quarterly	1900	2,000	2,000		2,100
Sulfate	mg/L	Quarterly	110	90	89	· · ·	98
Toluene	mg/L	Yearly	110	30	89	<0.5	30
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	6300	7,800	6,800		6,200
Total organic carbon	mg/L	Yearly	0300	7,800	0,800	<0.1	0,200
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C10-C14 C15-C28						<200	
C15-C28 C29-C36	mg/L	Yearly				<200 <200	
	mg/L	Yearly					
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.11	

Monitoring Point 12 - GWM8

Monitoring Point 12 - GWM8			Date Sampled				
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
Pollutant	Unit	Monitoring frequency	Date Data Obtained				
			2/11/2023	C I . C I .	C I . C I	Contract Contract	SE261147
			Sample Code				
AH II II II I	- /-		SE253182	SE257526	SE261147	SE265709	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	200	470	480	330	490
Aluminium	mg/L	Yearly				<0.1	
Ammonia	mg/L	Quarterly	0.02	0.04	0.15	0.08	0.19
Arsenic	mg/L	Yearly				0.002	
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				<0.0001	
Calcium	mg/L	Quarterly	37	130	130	120	120
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				30	
Chloride	mg/L	Quarterly	3600	5,400	4,900	4,200	5,300
Chlorinated volatile compound	mg/L	Yearly				<0.1	
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	μS/cm	Quarterly	11,000	16,000	15,000	12,000	11,000
Copper	mg/L	Yearly				0.002	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
Magnesium	mg/L	Quarterly	160	360	360	370	350
Manganese	mg/L	Yearly				<0.1	
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
рН	pH	Quarterly	7.09	7.11	7.34	7.21	7.1
Phosphate	mg/L	Yearly	7.03	7.11	7.34	<0.1	7.1
Phosphorus (Total)	mg/L	Quarterly	0.1	0.61	0.88	0.26	0.45
Potassium	mg/L	Quarterly	0.1	4.1	3.5	3.9	
Salinity	mg/L	Quarterly	7200	10,000	9,700	7,800	9,500
Sodium	-	Quarterly	1900	2,700	2,900	2,700	2,800
Sulfate	mg/L mg/L	Quarterly	1900	2,700	2,900	180	2,800
	-		110	200	200		210
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly	6200	44.000	44.000	<0.001	0.400
Total dissolved solids	mg/L	Quarterly	6300	11,000	11,000	7,700	8,400
Total organic carbon	mg/L	Yearly				<0.1	
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C15-C28	mg/L	Yearly				<200	
C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<40	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.038	

Monitoring Point 13 - GWM9

			In the Country of	D. I. C	D 1 C 1 1	B. I. C	D. I. C I. I
			Date Sampled	Date Sampled		Date Sampled	Date Sampled
			30/08/2023		21/02/2024	21/05/2024	29/08/2024
Pollutant	Unit	Monitoring frequency	Date Data Obtained		Date Data Obtained	Date Data Obtained	Date Data Obtained
		,	2/11/2023		C	C	Complete Cont
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
	- /-		SE253182		SE261147	SE265709	450
Alkalinity (as calcium carbonate)	mg/L	Quarterly	240	290	340	90	150
Aluminium	mg/L	Yearly	0.63	0.25	0.50	<0.1	0.46
Ammonia	mg/L	Quarterly	0.62	0.25	0.52	0.14	0.16
Arsenic	mg/L	Yearly				0.001	
Barium	mg/L	Yearly				<0.1	
Benzene	mg/L	Yearly				<0.5	
Biochemical oxygen demand	mg/L	Yearly				<5	
Cadmium	mg/L	Yearly				<0.0001	
Calcium	mg/L	Quarterly	18		55	36	
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				52	
Chloride	mg/L	Quarterly	2200	2,500	3,500	850	1,500
Chlorinated volatile compound	mg/L	Yearly				<0.1	
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	μS/cm	Quarterly	7,300	8,200	12,000	2,600	7,500
Copper	mg/L	Yearly				0.002	
Ethyl benzene	mg/L	Yearly				<0.5	
Fluoride	mg/L	Yearly				<0.1	
Lead	mg/L	Yearly				<0.001	
Magnesium	mg/L	Quarterly	38	140	140	100	61
Manganese	mg/L	Yearly				<0.1	
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.1	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
pH	рН	Quarterly	7.28	7.3	7.25	7.1	6.9
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (Total)	mg/L	Quarterly	5.2	6.5	15	2.0	1.2
Potassium	mg/L	Quarterly	6.9	9.1	8.3	8.0	7.5
Salinity	mg/L	Quarterly	4800	5,300	7,600	1,700	2,900
Sodium	mg/L	Quarterly	780	1,700	1,700	1,200	890
Sulfate	mg/L	Quarterly	110	120	180	45	63
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	3100	11,000	6,800	1,600	2,600
Total organic carbon	mg/L	Yearly				<0.1	
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				<50	
C15-C28	mg/L	Yearly				<200	
C29-C36	mg/L	Yearly				<200	
C10-C36 (Sum)	mg/L	Yearly				<40	
		Yearly				<0.1	
Total Phenolics	Img/L	rearry					
Total Phenolics Xylene	mg/L mg/L	Yearly				<1.5	

Polluntant Monitoring - Correction Log

EPL No: 5293

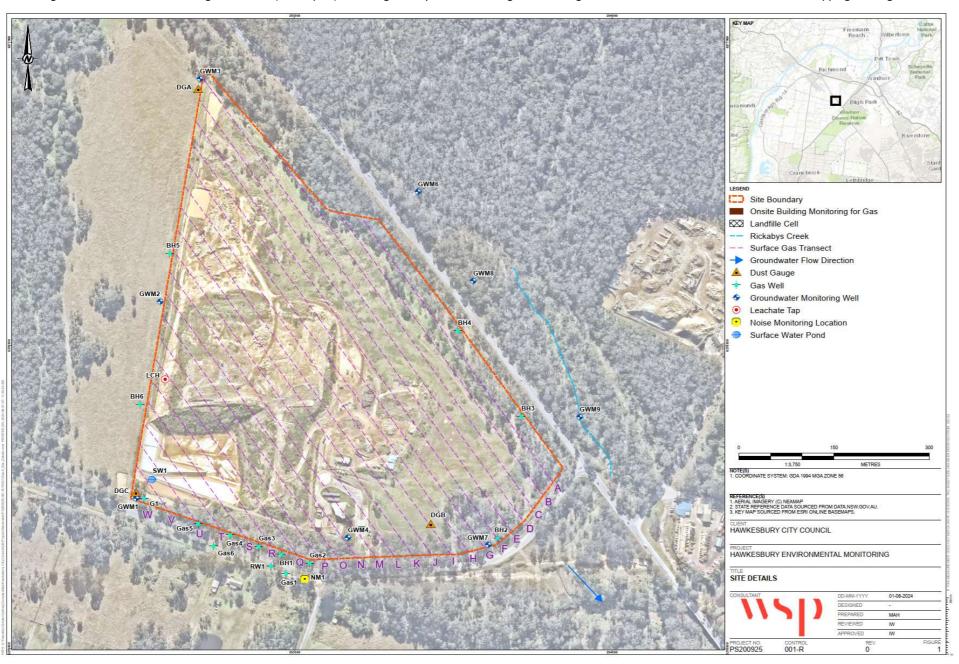
Sample Point	Pollutant	Sample Date and Time	Original Data	Corrected Data	Date Originally Published	Reason
						Data previously not included in publishing
27- Lunch Room	Methane	Aug-23	NIL	<0.0005	16/10/2023	document
						Data previously not included in publishing
27-Toliet	Methane	Aug-23	NIL	<0.0005	16/10/2023	document
						Data previously not
						included in publishing
27- Recycling Shed	Methane	Aug-23	NIL	<0.0005	16/10/2023	document
						Data previously not
27-						included in publishing
Gatehouse/weighbridge	Methane	Aug-23	NIL	<0.0005	16/10/2023	document
						Data previously not included in publishing
27- Tools storage shed	Methane	Aug-23	NIL	<0.0005	16/10/2023	document
						Data previously not
						included in publishing
27- Equipment shed	Methane	Aug-23	NIL	<0.0005	16/10/2023	document
Mointoring Point 26						Data previously not
(surface methane						included in publishing
emissions)	Methane	2023-24	NIL	Refer to Table	1/07/2024	document

Aug-23	Nov-23	Feb-24	May-24	Aug-24	
<500 pp	<500 pp	<500 pr	<500 pp	<500 ppr	m/v

* Note. The huburg laser measures down to 1 ppm/v. Readings above the 500 ppm/v criteria are recorded, GPS co-ordinates are referenced and a white flag is placed into the surface so on-site staff can reference to facilitate remediation.

 $<\!\!500$ ppm/v indicates that no readings above the criteria where noted.

The figure below shows the surface gas transects (25 m apart) that are generally followed during the surface gas walkover. Areas of Final and Intermediate capping are targeted.



		Monitoring Date Methane Concentration (ppm)			GPS Coordinates	
Reporting Year	Reporting Year Monitoring Date		۷/۷ %			Comments
		Met		Southing	Easting	
	Aug-23	<500	<0.05%	N/A	N/A	N/A
		8,100	0.81	33.63228°	150.77615°	Clay capping with grass.
024	Nov-23	Nov-23 522	0.05	33.63175°	150.77626°	Clay capping with grass.
3-20		634	0.06	33.63242°	150.77640°	Grass capping
2023-2024		1,580	0.16	33.63247°	150.77637°	Grass capping.
7	Feb-24	<500	<0.05%	N/A	N/A	N/A
	May-24	<500 <500	<0.05% <0.05%	N/A	N/A	N/A N/A
	Aug-24	\ 500	<0.05%	N/A	N/A	IN/A

Polluntant Monitoring - notes

EPL No: 5293

Sample Point	Pollutant	Note
		Sampling and analysis of surface water from a sedimentation dam was not conductded at
5 - SW1	All	SW1 has been destroyed during the current civil works of a new landfill cell.