

Hawkesbury Waste Management Facility - Yearly Summary for 2023/24

Licence number - 5293

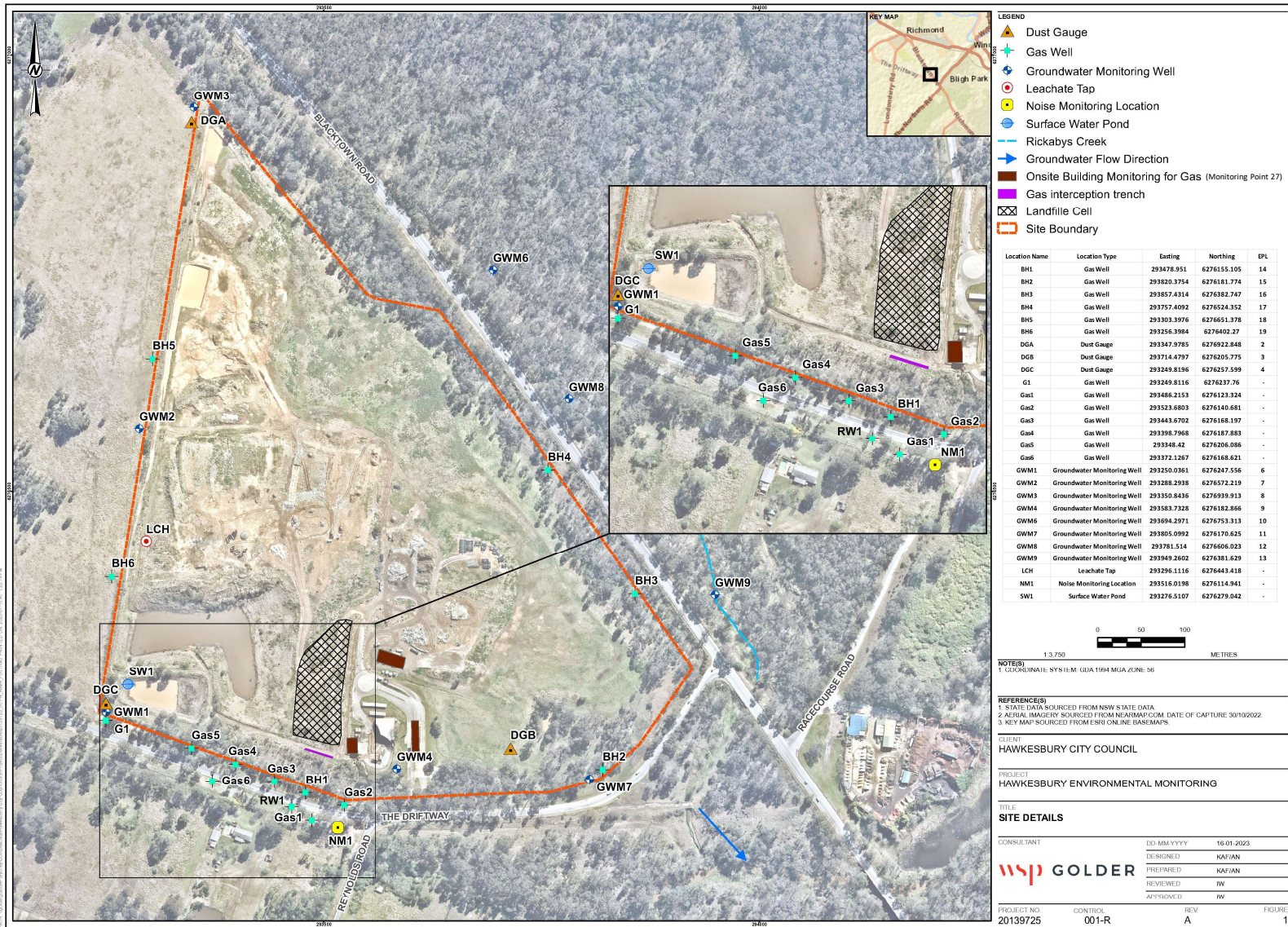
Hawkesbury Waste Management Facility - The Driftway, South WindsorNSW 2756 Licencee - Hawkesbury City Council

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



Waste Management Facility - 5293

Monitoring Point 14 - BH1

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	7.6	8.9	7.7	10.1	6.5	0
Carbon Dioxide	% v/v	Monthly	10.7	11.7	12.1	10.4	18.1	23.1
Methane	% v/v	Monthly	0.1	0.8	7.8	0.7	0.9	8.4

Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained			
2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024			
Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code			
Oxygen	% v/v	Monthly	19	19.3	4.5	3.4	4.3	4.5
Carbon Dioxide	% v/v	Monthly	5	0	17.4	11.9	17.1	14.3
Methane	% v/v	Monthly	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	Monthly	21.6	21.1	0
Carbon Dioxide	% v/v	Monthly	0.1	1.1	22.1
Methane	% v/v	Monthly	0	0	6

Monitoring Point 15 - BH2

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled
			21/05/2024	
			Date Obtained	Date Obtained
			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

Waste Management Facility - 5293

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled
			21/05/2024	
			Date Obtained	Date Obtained
			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

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled
			21/05/2024	
			Date Obtained	Date Obtained
			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	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	16.4	16.7	15.9	18.7	17.7	15.3
Carbon Dioxide	% v/v	Monthly	2.1	1	1.2	0.4	0.3	5.3
Methane	% v/v	Monthly	0.1	0.2	0.1	0.1	0	3.8

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

Waste Management Facility - 5293

Methane	% v/v	Monthly	0.3	0.1	0.1	0	1.5	0.1
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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	Monthly	21	21.1	20.7
Carbon Dioxide	% v/v	Monthly	0.1	0.1	0.1
Methane	% v/v	Monthly	0	0	0

Monitoring Point 19 - BH6

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	0	2.9	17.7	12.1	11.6	18.9
Carbon Dioxide	% v/v	Monthly	12.1	15.3	1	3.1	2.5	1.6
Methane	% v/v	Monthly	17.1	19.3	0.6	6.5	8.3	0

Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code

Oxygen	% v/v	Monthly	19	19.7	19.5	20.5	20.1	20.2
Carbon Dioxide	% v/v	Monthly	0	0	0	0.1	0.1	0
Methane	% v/v	Monthly	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	2/08/2024	30/08/2024
Sample Code	Sample Code	Sample Code

Oxygen	% v/v	Monthly	21.2	20.7	20.4
Carbon Dioxide	% v/v	Monthly	0.1	0.4	0.1
Methane	% v/v	Monthly	0	0	0

Waste Management Facility - 5293

Monitoring Point 20 - G1

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	20.1	20.4	16.7	12.3	13.1	4.7
Carbon Dioxide	% v/v	Monthly	0.2	0.2	12.4	6.1	4.2	5.4
Methane	% v/v	Monthly	0	0	0	0	0	0

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

Pollutant	Unit	Monitoring Frequency	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	Monthly	20.8	21.2	5.6
Carbon Dioxide	% v/v	Monthly	0.1	0.4	10.1
Methane	% v/v	Monthly	0	0	0

Point 21 - Gas2

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	17.6	16.7	15.4	20.1	19.8	17.3
Carbon Dioxide	% v/v	Monthly	0.6	1.4	1.1	0.1	0.1	8.5

Waste Management Facility - 5293

Methane	% v/v	Monthly	0	0	0	0	0	0
			Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthly	18	17.3	19.5	20.4	15.3	10
Carbon Dioxide	% v/v	Monthly	1.6	1.2	0.1	0.3	2.9	10.6
Methane	% v/v	Monthly	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	Monthly	21.5	18.2	8.3
Carbon Dioxide	% v/v	Monthly	0.1	4.3	12.6
Methane	% v/v	Monthly	0	0	0

Point 22 - Gas3

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	18.8	19.5	17.7	17.3	16.7	18.1
Carbon Dioxide	% v/v	Monthly	0.5	1.3	1.2	2.2	2.1	2.1
Methane	% v/v	Monthly	0	0	0	0	0	0

Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code

Oxygen	% v/v	Monthly	19.6	19.4	18	18	19.1	21.2
Carbon Dioxide	% v/v	Monthly	0.3	0.4	1.4	1	1.1	0.3

Waste Management Facility - 5293

Methane	% v/v	Monthly	0	0	0	0	0	0
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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	Monthly	21.1	21	18.2
Carbon Dioxide	% v/v	Monthly	0.3	0.5	1.8
Methane	% v/v	Monthly	0	0	0

Point 23 - Gas4

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	15.5	20	15.4	12.9	16.7	17.8
Carbon Dioxide	% v/v	Monthly	0.4	0.7	0.9	1.6	1.9	8.5
Methane	% v/v	Monthly	0	0	0	0	0	0

			Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code			
Oxygen	% v/v	Monthly	16.2	14.6	10.8	15.4	11.9	15.4
Carbon Dioxide	% v/v	Monthly	4	5.2	9.5	2.2	2.8	5.3
Methane	% v/v	Monthly	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	Monthly	14.6	19	7.7
Carbon Dioxide	% v/v	Monthly	5.9	2.1	12
Methane	% v/v	Monthly	0	0	0

Waste Management Facility - 5293

Point 24- Gas 6

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	13.9	19.9	14.8	17.3	18.2	13.2
Carbon Dioxide	% v/v	Monthly	0.3	0.8	0.9	0.5	0.9	6.1
Methane	% v/v	Monthly	0	0	0.1	0	0	0

			Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code			
Oxygen	% v/v	Monthly	13.2	14	13.9	17.9	18.9	18.5
Carbon Dioxide	% v/v	Monthly	5.1	5.1	6.1	2.7	2.9	3.1
Methane	% v/v	Monthly	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	Monthly	21.3	16.2	15.7
Carbon Dioxide	% v/v	Monthly	0.1	4.1	4.1
Methane	% v/v	Monthly	0	0	0

Point 25 - Gas interception trench

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	19.3	19.2	18.9	19.9	19.4	19.3
Carbon Dioxide	% v/v	Monthly	0.1	0.9	0.4	0.5	0.3	0.3
Methane	% v/v	Monthly	0.5	0.1	0.2	0.2	0.3	0.2

Waste Management Facility - 5293

			Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code			
Oxygen	% v/v	Monthly	19.5	19.6	19.5	20.2	19.2	19.9
Carbon Dioxide	% v/v	Monthly	0.3	0.1	0.4	0.5	1.1	0.3
Methane	% v/v	Monthly	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	Monthly	21.2	21.7	20.3
Carbon Dioxide	% v/v	Monthly	0.2	0.1	0.2
Methane	% v/v	Monthly	0	0	0.1

RW1

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly				16.2	14.3	16.1
Carbon Dioxide	% v/v	Monthly	<i>Well no installed yet</i>			1.4	2.3	1.7
Methane	% v/v	Monthly				0	0	0.3

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

Waste Management Facility - 5293

			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	Monthly	21.2	20.8	15.7
Carbon Dioxide	% v/v	Monthly	0.1	0.7	4.1
Methane	% v/v	Monthly	0	0	0

Gas1

Pollutant	Unit	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			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	Monthly	<i>Unable to be located</i>			2.7	3.1	7.6
Methane	% v/v	Monthly				0.1	0.1	0

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

Waste Management Facility - 5293

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

Gas5

Pollutant	Unit	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	
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	
			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	Monthly	<i>Unable to be located</i>			0.5	0.8	7.3	
Methane	% v/v	Monthly				0	0	0	

			Date Sampled	Date Sampled	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	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			2/01/2024	31/01/2024	21/02/2024	2/04/2024	24/04/2024	21/05/2024
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Oxygen	% v/v	Monthly	16.5	17.6	12		17	18.3
Carbon Dioxide	% v/v	Monthly	5.1	5.1	6.1	2.7	2.9	3.1
Methane	% v/v	Monthly	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	Monthly	20.6	18.8	11.5
Carbon Dioxide	% v/v	Monthly	0.1	2.5	8.2
Methane	% v/v	Monthly	0	0	0

Point 27 - Inside all buildings	Unit	Monitoring Frequency	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
HCC Lunch Room Demountable						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.0005
HCC Tiolet Demountable						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.0005
Recycling Shed						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.0005
Gatehouse/ Weighbridge						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.0005
Tools Storage Shed						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.0005
Equipment Shed						
Methane	% v/v	Quarterly	<0.0005	<0.0005	<0.0005	<0.0005
Point 27 - Inside all buildings	Unit	Monitoring Frequency	Date Sampled			
			Aug-24			
			Date Data Obtained			
			Aug-24			
			Sample Code			
HCC Lunch Room Demountable						
Methane	% v/v	Quarterly	<0.0005			
HCC Tiolet Demountable						
Methane	% v/v	Quarterly	<0.0005			
Recycling Shed						
Methane	% v/v	Quarterly	<0.0005			
Gatehouse/ Weighbridge						
Methane	% v/v	Quarterly	<0.0005			
Tools Storage Shed						

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

Waste Management Facility - 5293

Monitoring Point 2 - DGA

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			May-23	Aug-23	Nov-23	Feb-24
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			Aug-23	Nov-23	Feb-24	May-24
Sample Code	Sample Code	Sample Code	Sample Code			
Particulates deposited Matter	g/m ² /month	Quarterly	0.1	<0.3	<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 3 - DGB

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			May-23	Aug-23	Nov-23	Feb-24
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			Aug-23	Nov-23	Feb-24	May-24
Sample Code	Sample Code	Sample Code	Sample Code			
Particulates deposited Matter	g/m ² /month	Quarterly	0.5	1.2	0.5	<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 4 - DGC

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			May-23	Aug-23	Nov-23	Feb-24
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			Aug-23	Nov-23	Feb-24	May-24
Sample Code	Sample Code	Sample Code	Sample Code			
Particulates 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			

Waste Management Facility - 5293

Monitoring Point 1 - LCH

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29.08.2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023				
Sample Code	Sample Code	Sample Code	Sample Code	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				200	
Chloride	mg/L	Quarterly	1100	1300	1,300	77	1,900
Chromium (hexavalent)	mg/L	Yearly				0.002	
Cobalt	mg/L	Yearly				<0.02	
Conductivity	µS/cm	Quarterly	435	621	760	545	-
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	100	100	130	21	130
Manganese	mg/L	Yearly				<0.1	
Mercury	mg/L	Yearly				<0.001	
Nitrate	mg/L	Quarterly	<0.1	<0.5	<0.25	0.38	<0.05
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	
Orgnochlorine pesticides	mg/L	Yearly				<0.001	
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	1.8	0.36	1.8
Potassium	mg/L	Quarterly	120	110	120	18	130
Sodium	mg/L	Quarterly	860	960	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	

Waste Management Facility - 5293

Monitoring Point 5 - SW1

GPS 33.633379 150.771537

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

Waste Management Facility - 5293

Monitoring Point 6 - GWM1

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023	SE257526	SE261147	SE265709	SE261147
		Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	
			SE253182				
Alkalinity (as calcium carbonate)	mg/L	Quarterly	290	290	280	300	340
Aluminium	mg/L	Yearly				<0.01	
Ammonia	mg/L	Quarterly	0.03	0.01	<0.1		<0.05
Arsenic	mg/L	Yearly				<0.001	
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	92	91
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				29	
Chloride	mg/L	Quarterly	4300	4100	3,900	4,300	4,500
Chlorinated volatile compound	mg/L	Yearly				<0.001	
Chromium (hexavalent)	mg/L	Yearly				<0.001	
Cobalt	mg/L	Yearly				<0.1	
Conductivity	µS/cm	Quarterly	13000	13000	13,000	13,000	12,500
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	290	300	310	320	320
Manganese	mg/L	Yearly				<0.1	
Mercury	mg/L	Yearly				<0.0001	
Nitrogen Oxides	mg/L	Yearly				<0.01	
Organochlorine pesticides	mg/L	Yearly				<0.001	
Organophosphate pesticides	mg/L	Yearly				<0.001	
pH	pH	Quarterly	6.51	6.59	6.7	6.67	6.7
Phosphate	mg/L	Yearly				<1	
Phosphorus (Total)	mg/L	Quarterly	0.97	1	0.41	0.42	0.08
Potassium	mg/L	Quarterly	3	2.9	2.3	2.8	2.6
Salinity	mg/L	Quarterly	8300	8300	8,500	8,300	8,100
Sodium	mg/L	Quarterly	2000	2100	2,100	2,100	2,300
Sulfate	mg/L	Quarterly	300	260	280	290	270
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	7000	8800	8,200	8,500	6,700
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				<40	
Total Phenolics	mg/L	Yearly				<1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.022	

Waste Management Facility - 5293

Monitoring Point 7 - GWM2

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			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	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	
pH	pH	Quarterly	6.51	6.55	6.57	6.5	6.55
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (Total)	mg/L	Quarterly	0.61	2.4	0.04	0.10	0.36
Potassium	mg/L	Quarterly	1.3	1.4	0.7	1.1	1.2
Salinity	mg/L	Quarterly	9000	9100	8,000	8,300	6,900
Sodium	mg/L	Quarterly	2100	2300	1,800	2,100	2,100
Sulfate	mg/L	Quarterly	290	270	140	280	210
Toluene	mg/L	Yearly				<0.5	
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				4	
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	

Waste Management Facility - 5293

Monitoring Point 8 - GWM3

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			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	530	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	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				53	
Chloride	mg/L	Quarterly	7100	7,300	6,600	7,600	7,000
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	21000	21,000	18,000	21,000	19,500
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	570	550	570	360	590
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	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	0.45	0.56
Potassium	mg/L	Quarterly	3.4	3.1	2.6	2.8	2.7
Salinity	mg/L	Quarterly	14000	14,000	12,000	14,000	12,000
Sodium	mg/L	Quarterly	3500	3,700	3,900	3,400	4,100
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	

Waste Management Facility - 5293

Monitoring Point 9 - GWM4

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023	SE257526	SE261147	SE265709	SE261147
			Sample Code	Sample Code	Sample Code	Sample Code	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	<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	
pH	pH	Quarterly	6.21	6.54	6.34	6.3	5.97
Phosphate	mg/L	Yearly				<0.1	
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	0.7
Salinity	mg/L	Quarterly	7600	7,700	9,400	7,600	6,700
Sodium	mg/L	Quarterly	1700	1,900	2,300	1,900	1,900
Sulfate	mg/L	Quarterly	150	130	250	140	140
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	7500	7,800	9,100	7,400	6,100
Total organic carbon	mg/L	Yearly				8	
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<40	
C10-C14	mg/L	Yearly				140	
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				0.022	

Waste Management Facility - 5293

Monitoring Point 10 - GWM6

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			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	91	81	100	130	150
Aluminium	mg/L	Yearly				<0.1	
Ammonia	mg/L	Quarterly	0.05	<0.01	0.10	0.39	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				6	
Cadmium	mg/L	Yearly				<0.0001	
Calcium	mg/L	Quarterly	23	180	220	30	31
Carbonate	mg/L	Quarterly	<1	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				570	
Chloride	mg/L	Quarterly	94	850	1,400	75	47
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	500	2,900	5,100	600	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	1.0	8.6	2.6
Potassium	mg/L	Quarterly	0.5	1.2	2.2	0.9	0.2
Salinity	mg/L	Quarterly	330	1,900	3,300	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	

Waste Management Facility - 5293

Monitoring Point 11 - GWM7

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			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	200	210	220	210	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	
pH	pH	Quarterly	5.98	6.04	6.1	5.99	6.16
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (Total)	mg/L	Quarterly	0.1	0.13	0.47	0.35	0.25
Potassium	mg/L	Quarterly	0.8	0.9	0.4	0.7	0.5
Salinity	mg/L	Quarterly	7200	7,200	7,500	6,800	6,700
Sodium	mg/L	Quarterly	1900	2,000	2,000	1,500	2,100
Sulfate	mg/L	Quarterly	110	90	89	91	98
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
Total dissolved solids	mg/L	Quarterly	6300	7,800	6,800	6,700	6,200
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				0.11	

Waste Management Facility - 5293

Monitoring Point 12 - GWM8

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			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	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	
pH	pH	Quarterly	7.09	7.11	7.34	7.21	7.1
Phosphate	mg/L	Yearly				<0.1	
Phosphorus (Total)	mg/L	Quarterly	0.1	0.61	0.88	0.26	0.45
Potassium	mg/L	Quarterly	0.8	4.1	3.5	3.9	3.8
Salinity	mg/L	Quarterly	7200	10,000	9,700	7,800	9,500
Sodium	mg/L	Quarterly	1900	2,700	2,900	2,700	2,800
Sulfate	mg/L	Quarterly	110	200	200	180	210
Toluene	mg/L	Yearly				<0.5	
Total chromium	mg/L	Yearly				<0.001	
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	

Waste Management Facility - 5293

Monitoring Point 13 - GWM9

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29/11/2023	21/02/2024	21/05/2024	29/08/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023				
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
			SE253182	SE257526	SE261147	SE265709	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	240	290	340	90	150
Aluminium	mg/L	Yearly				<0.1	
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	58	55	36	22
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	pH	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	
Total Phenolics	mg/L	Yearly				<0.1	
Xylene	mg/L	Yearly				<1.5	
Zinc	mg/L	Yearly				0.02	

Pollutant Monitoring - Correction Log

EPL No: 5293

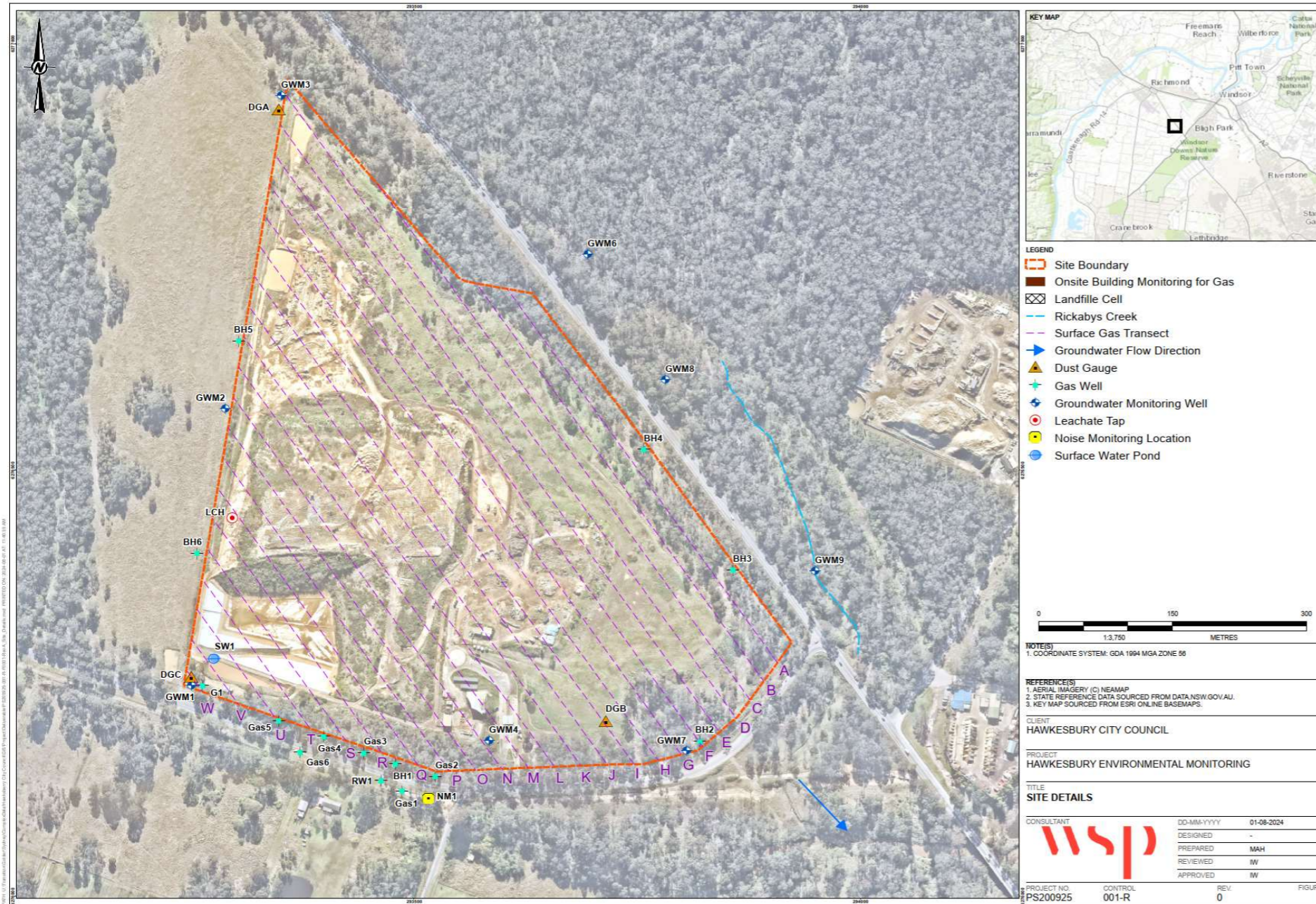
Sample Point	Pollutant	Sample Date and Time	Original Data	Corrected Data	Date Originally Published	Reason
27- Lunch Room	Methane	Aug-23	NIL	<0.0005	16/10/2023	Data previously not included in publishing document
27-Toliet	Methane	Aug-23	NIL	<0.0005	16/10/2023	Data previously not included in publishing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

Aug-23	Nov-23	Feb-24	May-24	Aug-24
<500 pp	<500 pp	<500 pp	<500 pp	<500 ppm/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.



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

Pollutant Monitoring - notes

EPL No: 5293

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