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

Licence number - 5293

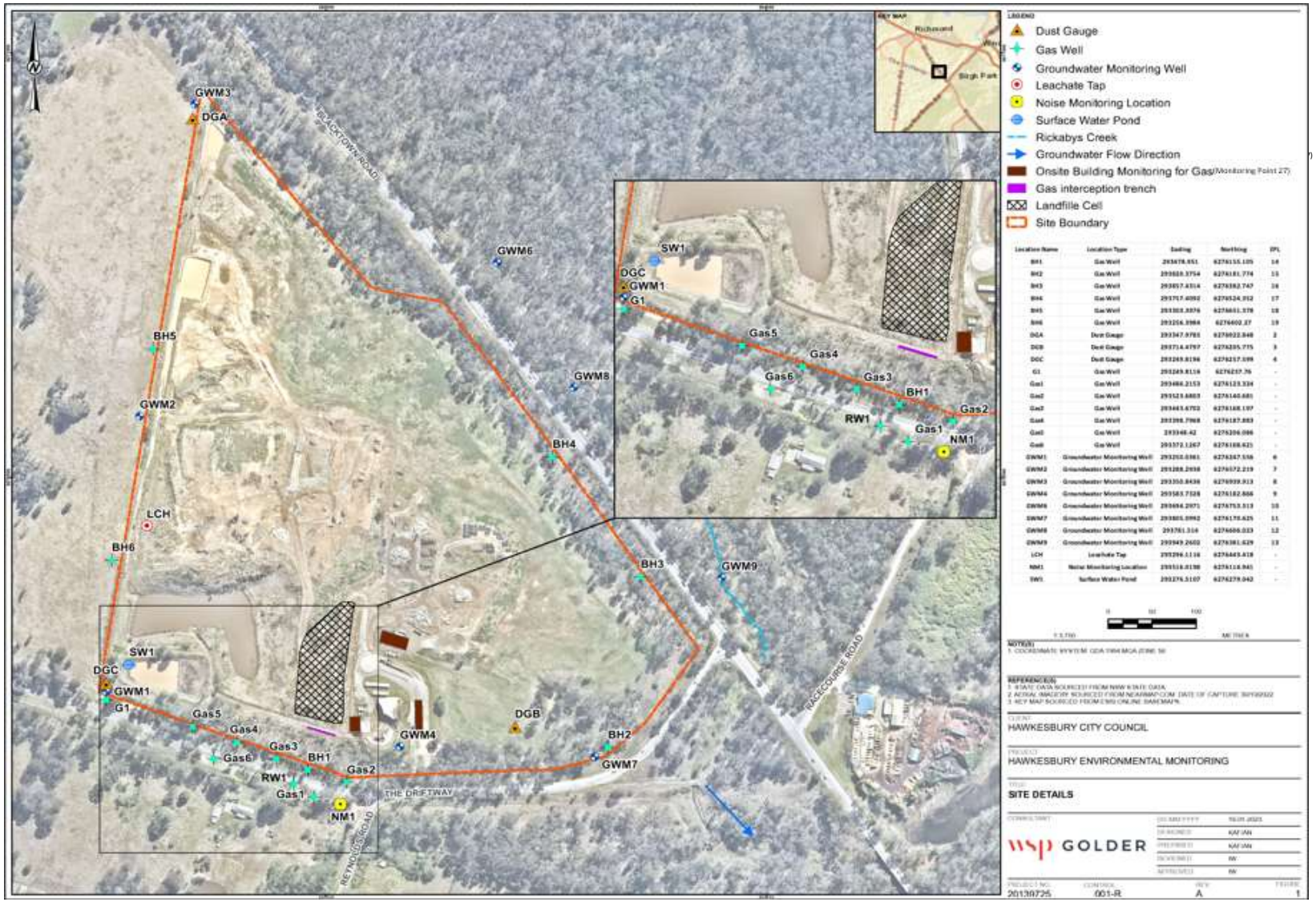
Hawkesbury Waste Management Facility - The Driftway, South WindsorNSW 2756 Licencee - Hawkesbury City Council

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


GWM3
DGA
GWM6
BH5
GWM8
GWM2
BH4
LCH
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BH3
GWM9
SW1
DGC
GWM1
G1
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THE DRIFTWAY
REYNOLDS ROAD
RACECOURSE ROAD
KEY MAP
Richmond
Sligh Park
LEGEND
Dust Gauge
Gas Well
Groundwater Monitoring Well
Leachate Tap
Noise Monitoring Location
Surface Water Pond
Rickabys Creek
Groundwater Flow Direction
Onsite Building Monitoring for Gas (Monitoring Point 27)
Gas interception trench
Landfill Cell
Site Boundary
HAWKESBURY CITY COUNCIL
HAWKESBURY ENVIRONMENTAL MONITORING
SITE DETAILS
GOLDER
20139725
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Monitoring Point 14 - BH1

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	0.5	18.7	20	1	1.4	0.2	0.2	0.1	20.7
Methane	% v/v	Monthy	0	5.4	4.4	0	0	0	0	0	0.7

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

Monitoring Point 15 - BH2

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled
			Date Obtained	Date Obtained
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months		
Methane	% v/v	Every 6 Months		

Monitoring Point 16 - BH3

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	27.02.2025	27.05.2025
			Date Obtained	Date Obtained	Date Obtained
			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

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled
			26.11.2024	27.02.2025	27.05.2025
			Date Obtained	Date Obtained	Date Obtained
			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

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Monitoring Point 18 - BH5

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025	27.05.2025
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	0.3	9.5	0.2	0	0.2	0.1	0.2	3.2	0.2
Methane	% v/v	Monthy	0	7.1	0.1	0	0	0	0	0	0.1

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

Monitoring Point 19 - BH6

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025	27.05.2025
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	0.2	1.5	0.4	0.2	0.3	0.1	0.2	0.3	0.1
Methane	% v/v	Monthy	0	0.2	0	0	0	0	0	0	0.1

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

Monitoring Point 20 - G1

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30.09.2024	31.10.2024	26.11.2024	16.12.2024	23.01.2025	27.02.2025	31.03.2025	23.04.2025	27.05.2025
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	0.3	12.3	6.8	0.1	0.1	0.1	0.1	0.1	0.1
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0.1

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

Point 21 - Gas2

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	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
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

Point 22 - Gas3

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	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
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

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Point 23 - Gas4

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	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
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

Point 24- Gas 6

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	3.6	5	5	3.4	4.1	0.1	0.6	4.8	6.1
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

Point 25 - Gas interception trench

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	0	0	0.1	0	0	0.1	0.1	0	0.1
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

RW1

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	5.4	15	17.9	0.2	0.4	0.2	3.3	0.1	14.5
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

Gas1

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	4.1	7.3	6.5	3.4	3	2	5.3	4	7.5
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

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Gas5

Pollutant	Unit	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	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
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	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
Methane	% v/v	Monthy	0	0	0	0	0	0	0	0	0

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

Point 27 - Inside all buildings	Unit	Monitoring Frequency	Date Sampled 26.11.2024 Date Data Obtained Sample Code	Date Sampled Date Data Obtained Sample Code	Date Sampled Date Data Obtained Sample Code	Date Sampled Date Data Obtained Sample Code
HCC Lunch Room Demountable						
Methane	% v/v	Quarterly	0			
HCC Toliet Demountable						
Methane	% v/v	Quarterly	0			
Recycling Shed						
Methane	% v/v	Quarterly	0			
Gatehouse/ Weighbridge						
Methane	% v/v	Quarterly	0			
Tools Storage Shed						
Methane	% v/v	Quarterly	0			
Equipment Shed						
Methane	% v/v	Quarterly	0			

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Monitoring Point 2 - DGA

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

Monitoring Point 3 - DGB

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

Monitoring Point 4 - DGC

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

Monitoring Point 1 - LCH

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

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Monitoring Point 5 - SW1

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

Monitoring Point 6 - GWM1

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
			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	320			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	92			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4700			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	µS/cm	Quarterly	12000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	330			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.12			
Potassium	mg/L	Quarterly	2.5			
Salinity	mg/L	Quarterly	8100			
Sodium	mg/L	Quarterly	2100			
Sulfate	mg/L	Quarterly	300			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	8900			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

Monitoring Point 7 - GWM2

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

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Monitoring Point 8 - GWM3

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

Monitoring Point 9 - GWM4

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
			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			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	<0.05			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	22			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4000			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	µS/cm	Quarterly	10000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	290			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.05			
Potassium	mg/L	Quarterly	1.6			
Salinity	mg/L	Quarterly	6700			
Sodium	mg/L	Quarterly	1700			
Sulfate	mg/L	Quarterly	140			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	7100			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

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Monitoring Point 10 - GWM6

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

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Monitoring Point 11 - GWM7

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
			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			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	40			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	3900			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	µS/cm	Quarterly	10000			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	180			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	1.3			
Potassium	mg/L	Quarterly	0.4			
Salinity	mg/L	Quarterly	6600			
Sodium	mg/L	Quarterly	1900			
Sulfate	mg/L	Quarterly	100			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	6700			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

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Monitoring Point 12 - GWM8

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

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Monitoring Point 13 - GWM9

Pollutant	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			24.11.2024			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly	160			
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.17			
Arsenic	mg/L	Yearly				
Barium	mg/L	Yearly				
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				
Cadmium	mg/L	Yearly				
Calcium	mg/L	Quarterly	39			
Carbonate	mg/L	Quarterly	<1			
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	2000			
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	µS/cm	Quarterly	5700			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	100			
Manganese	mg/L	Yearly				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	-			
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.76			
Potassium	mg/L	Quarterly	7.8			
Salinity	mg/L	Quarterly	3700			
Sodium	mg/L	Quarterly	1300			
Sulfate	mg/L	Quarterly	80			
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	3400			
Total organic carbon	mg/L	Yearly				
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				
C15-C28	mg/L	Yearly				
C29-C36	mg/L	Yearly				
C10-C36 (Sum)	mg/L	Yearly				
Total Phenolics	mg/L	Yearly				
Xylene	mg/L	Yearly				
Zinc	mg/L	Yearly				

Polluntant Monitoring - Correction Log

EPL No: 5293

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