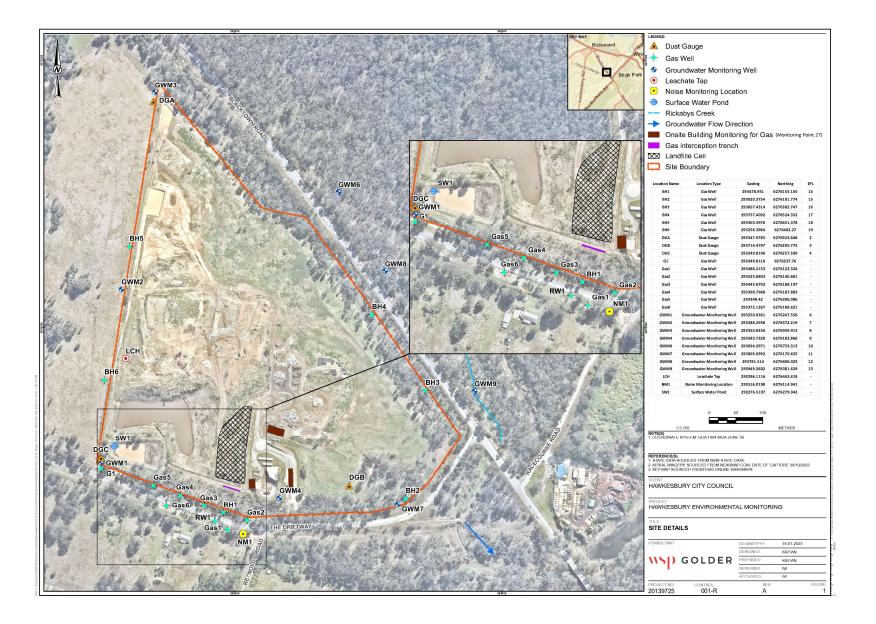
# Hawkesbury Waste Management Facility - Yearly Summary for 2023/24

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 L			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					
	Unit	Monitoring Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
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 Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

## Monitoring Point 15 - BH2

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

# Monitoring Point 16 - BH3

			Date Sampled	Date Sampled
Pollutant				
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Foliatant		women in the second sec		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months		
Methane	% v/v	Every 6 Months		

## Monitoring Point 17 - BH4

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

# Monitoring Point 18 - BH5

Pollutant Unit			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Linit	Monitoring Frequency	Date Obtained					
			29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
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					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

## Monitoring Point 19 - BH6

Pollutant L			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					
	Unit	womening requency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Carbon Dioxide	xide % v/v Monthy	12.1	15.3	1	3.1	2.5	1.6	
Methane	% v/v	Monthy	17.1	19.3	0.6	6.5	8.3	0

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

# Monitoring Point 20 - G1

Pollutant Unit			Date Sampled					
			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Linit	Monitoring Frequency	Date Obtained					
			29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
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					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

## Point 21 - Gas2

Pollutant L			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					
	Unit		29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Carbon Dioxide	% v/v		0.6	1.4	1.1	0.1	0.1	8.5
Methane	% v/v	Monthy	0	0.5	0.1	0.1	0	0

# Waste Managment Facility - 5293

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

## Point 22 - Gas3

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					
Foliatant	Unit	womening requercy	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.5	1.3	1.2	2.2	2.1	2.1
Methane	% v/v	Monthy	0	0	0	0	0	0

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

## Point 23 - Gas4

			Date Sampled					
Pollutant			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Frequency	Date Obtained					
		wonitoning Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
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

# Waste Managment Facility - 5293

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

## Point 24- Gas 6

Pollutant Unit			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					
i onutant	Onic	Monitoring requercy	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	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					
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy						
Methane	% v/v	Monthy						

## Point 25 - Gas interception trench

			Date Sampled					
Pollutant			29/06/2023	31/07/2023	3/08/2023	29/09/2023	30/10/2023	29/11/2023
	Unit	Monitoring Fraguency	Date Obtained					
		Monitoring Frequency	29/06/2023	31/07/2023	2/11/2023	22/10/2023	31/10/2023	30/11/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.5	0.1	0.2	0.2	0.3	0.2
Methane	% v/v	Monthy	0.1	0.9	0.4	0.5	0.3	0.3

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

RW1

KVV1								
			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
Pollutant			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Unit	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
Carbon Dioxide	% v/v	Monthy		Vell no installed ve	+	1.4	2.3	1.7
Methane	% v/v	Monthy		ven no installed ye	L	0	0	0.3

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

Gas1								
			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
Pollutant U	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Unit	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
Carbon Dioxide	% v/v	Monthy	Unable to be located		d	2.7	3.1	7.6
Methane	% v/v	Monthy	Shuble to be located			0.1	0.1	0

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

#### Gas6

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

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

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug-23			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Aug-23			
			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			
HCC Toliet 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			

Monitoring Point 2 - DGA

			Start Date	Start Date	Start Date	Start Date
			24/05/2023	29.08.23		
Pollutant	Unit	Monitoring Fraguency	Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
Poliutant	Onit	Monitoring Frequency	29/08/2023	29.11.23		
			Sample Code	Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly	0.1	<0.3		

## Monitoring Point 3 - DGB

			Start Date	Start Date	Start Date	Start Date
			24/05/2023	29.08.23		
Pollutant	Unit	Monitoring Frequency	Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
Foliatant	Omt		29/08/2023	29.11.23		
			Sample Code	Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly	0.5	1.2		

## Monitoring Point 4 - DGC

			Start Date	Start Date	Start Date	Start Date
			24/05/2023	29.08.23		
Pollutant	Unit	Monitoring Fraguancy	Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
Fondtant	Omt	Monitoring Frequency	29/08/2023	29.11.23		
			Sample Code	Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly	1.5	0.9		

#### Monitoring Point 1 - LCH

Monitoring Point 1 - LCH	_					
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023	29.11.23		
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Folialit	Unit	women in the second sec	2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	1900	1800		
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	63	69		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	1100	1300		
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductiviy	μS/cm	Quarterly	NT			
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	100	100		
Manganese	mg/L	Yearly	100	100		
Mercury	mg/L	Yearly				-
Nitrate	mg/L	Quarterly	<0.1	<0.05		-
Nitrite		Quarterly	<0.10	<0.005		
	mg/L	<u> </u>	<0.005 NT	<0.005		
Nitrogen (ammonia)	mg/L	Quarterly	NI			
Organochlorine pesticides	mg/L	Yearly				
Orgnochlorine pesticides	mg/L	Yearly	7.40	7.04		
pH	pH (	Quarterly	7.10	7.04		
Phosphate	mg/L	Yearly				
Phosphorus (total)	mg/L	Quarterly	4.2	1.8		
Potassium	mg/L	Quarterly	120	110		-
Sodium	mg/L	Quarterly	860	960		
Sulfate	mg/L	Quarterly	45	29		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	3200	4000		
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				

Monitoring Point 5 - SW1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
Dellutert			30/08/2023			
	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant		womening requercy	2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
Alkalinity (as calcium carbonate)	mg/L	Quarterly				
Ammonia	mg/L	Quarterly				
Biochemical oxygen demand	mg/L	Quarterly	Point no longer exsits			
Sulfate	mg/L	Quarterly				
Total Phenolics	mg/L	Yearly				

#### Monitoring Point 6 - GWM1

Monitoring Point 6 - GWM1						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	290	290		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.03	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	85	97		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4300	4100		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	13000	13000		
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	290	300		
Manganese	mg/L	Yearly	230	500		
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
	mg/L	Yearly				
Organochlorine pesticides	-	,				
Organophosphate pesticides	mg/L	Yearly	6.54	6.50		
pH	pH	Quarterly	6.51	6.59		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.97	1		
Potassium	mg/L	Quarterly	3			
Salinity	mg/L	Quarterly	8300			
Sodium	mg/L	Quarterly	2000	2100		
Sulfate	mg/L	Quarterly	300	260		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	7000	8800		
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

Monitoring Point 7 - GWM2						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	300	290		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	<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	100	97		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4700	4600		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	14000	14000		
Copper	mg/L	Yearly	1000	1000		
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
	mg/L	Quarterly	290	310		-
Magnesium Manganese	mg/L	Yearly	230	510		
Marganese	mg/L	Yearly				-
Nitrogen Oxides	mg/L	,				-
Organochlorine pesticides	-	Yearly Yearly				
	mg/L	,				
Organophosphate pesticides	mg/L	Yearly	6.54	6.22		
pH	pH	Quarterly	6.51	6.32		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.61	2.4		+
Potassium	mg/L	Quarterly	1.3	1.4		
Salinity	mg/L	Quarterly	9000	9100		
Sodium	mg/L	Quarterly	2100	3700		
Sulfate	mg/L	Quarterly	290	270		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	9100	9800		
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 8 - GWM3

Monitoring Point 8 - GWM3						
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	530	290		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.03	<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	120	110		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	7100	7300		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	21000	21000		
Copper	mg/L	Yearly	21000	21000		
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	570	550		
Manganese	mg/L	Yearly	370	530		
	-	,				
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	рН	Quarterly	6.11	6.2		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.49			
Potassium	mg/L	Quarterly	3.4	-		
Salinity	mg/L	Quarterly	14000		ļ	
Sodium	mg/L	Quarterly	3500			
Sulfate	mg/L	Quarterly	570	560		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	12000	16000		
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				
	IIIg/L					

#### Monitoring Point 9 - GWM4

Monitoring Point 9 - GWM4						
Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023			
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	92	94		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	<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	20	21		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	4000	4000		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	12,000	12,000		
Copper	mg/L	Yearly		,		
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	270	310		
Manganese	mg/L	Yearly	270	510		
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	6.21	6.37		
Phosphate	mg/L	Yearly	0.21	0.37		
	-	· ·	0.13	0.06		
Phosphorus (Total) Potassium	mg/L	Quarterly	0.13			
	mg/L	Quarterly	1.4	1.2		
Salinity	mg/L	Quarterly				
Sodium Sulfate	mg/L	Quarterly	1700 150	1900 130		
	mg/L	Quarterly	150	130		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	7500	7800		
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 10 - GWM6

Monitoring Point 10 - GWM6						
Pollutant	Unit Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled	
			30/08/2023			
		Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
- ondeane			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	91	81		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.05	<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	23	180		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	94	850		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	500	2,900		
Copper	mg/L	Yearly	500	2,500		
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	11	100		
Manganese	mg/L	Yearly	11	100		
Mercury	-	Yearly				
	mg/L	,				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH "	Quarterly	7.75	6.89		-
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.17	2.6		
Potassium	mg/L	Quarterly	0.5			
Salinity	mg/L	Quarterly	330			
Sodium	mg/L	Quarterly	59	380		
Sulfate	mg/L	Quarterly	17	30		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	290	2300		
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 11 - GWM7

Monitoring Point 11 - GWM7						
Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023			
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
		a cqueriey	2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	200	210		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	<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	37	38		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	3600	3600		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	11,000	11,000		
Copper	mg/L	Yearly	,	,		
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	160	`160		
Manganese	mg/L	Yearly	100	100		
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	5.98	6.15		
Phosphate	mg/L	Yearly	5.50	0.15		
Phosphorus (Total)	mg/L	Quarterly	0.1	0.13		
Potassium	mg/L	Quarterly	0.1	0.13		
Salinity	mg/L	Quarterly	7200	7200		
Sodium	mg/L	Quarterly	1900	2000		
Sulfate	mg/L	Quarterly	1900	90		
Toluene	mg/L	Yearly	110	30		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	6300	7100		
Total organic carbon		,	0300	/100		
*	mg/L	Yearly				-
Total petroleum hydrocarbons C6-C9 C10-C14	mg/L	Yearly Yearly				-
	mg/L	,				
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 12 - GWM8

Monitoring Point 12 - GWM8	-					
Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/08/2023			
	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	200	470		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.02	0.04		
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	37	130		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	3600	5400		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	µS/cm	Quarterly	11,000	16,000		
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	160	360		
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	7.09	6.52		
Phosphate	mg/L	Yearly				
Phosphorus (Total)	mg/L	Quarterly	0.1	0.61		
Potassium	mg/L	Quarterly	0.8			
Salinity	mg/L	Quarterly	7200	10000		1
Sodium	mg/L	Quarterly	1900	2700		1
Sulfate	mg/L	Quarterly	1300	2700		1
Toluene	mg/L	Yearly	110	200		
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	6300	11000		
Total organic carbon	mg/L	Yearly	0300	11000		
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 mg/L	Yearly				
Total Phenolics	<u>.</u>					
	mg/L	Yearly				
Xylene Zine	mg/L	Yearly				
Zinc	mg/L	Yearly				

#### Monitoring Point 13 - GWM9

Monitoring Point 13 - GWM9			Data Campled	Data Complet	Data Campled	Data Complet
		Date Sampled	Date Sampled	Date Sampled	Date Sampled	
			30/08/2023			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			2/11/2023			
			Sample Code	Sample Code	Sample Code	Sample Code
			SE253182			
Alkalinity (as calcium carbonate)	mg/L	Quarterly	240	290		
Aluminium	mg/L	Yearly				
Ammonia	mg/L	Quarterly	0.62	0.25		
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	18	58		
Carbonate	mg/L	Quarterly	<1	<1		
Chemical oxygen demand	mg/L	Yearly				
Chloride	mg/L	Quarterly	2200	2500		
Chlorinated volatile compound	mg/L	Yearly				
Chromium (hexavalent)	mg/L	Yearly				
Cobalt	mg/L	Yearly				
Conductivity	μS/cm	Quarterly	7,300	8,200		
Copper	mg/L	Yearly				
Ethyl benzene	mg/L	Yearly				
Fluoride	mg/L	Yearly				
Lead	mg/L	Yearly				
Magnesium	mg/L	Quarterly	38	140		
Manganese	mg/L	Yearly		1.0		
Mercury	mg/L	Yearly				
Nitrogen Oxides	mg/L	Yearly				
Organochlorine pesticides	mg/L	Yearly				
Organophosphate pesticides	mg/L	Yearly				
pH	pH	Quarterly	7.28	6.52		
Phosphate	· · · · · · · · · · · · · · · · · · ·	Yearly	7.20	0.52		
	mg/L	,	E 2	6 5		
Phosphorus (Total)	mg/L	Quarterly	5.2	6.5		
Potassium	mg/L	Quarterly		-		
Salinity	mg/L	Quarterly	4800	5300		
Sodium	mg/L	Quarterly	780	1700		
Sulfate	mg/L	Quarterly	110	120		
Toluene	mg/L	Yearly				
Total chromium	mg/L	Yearly				
Total dissolved solids	mg/L	Quarterly	3100	4900		
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
						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

# **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.