## **Hawkesbury Waste Management Facility - Yearly Summary for 2022/2023**

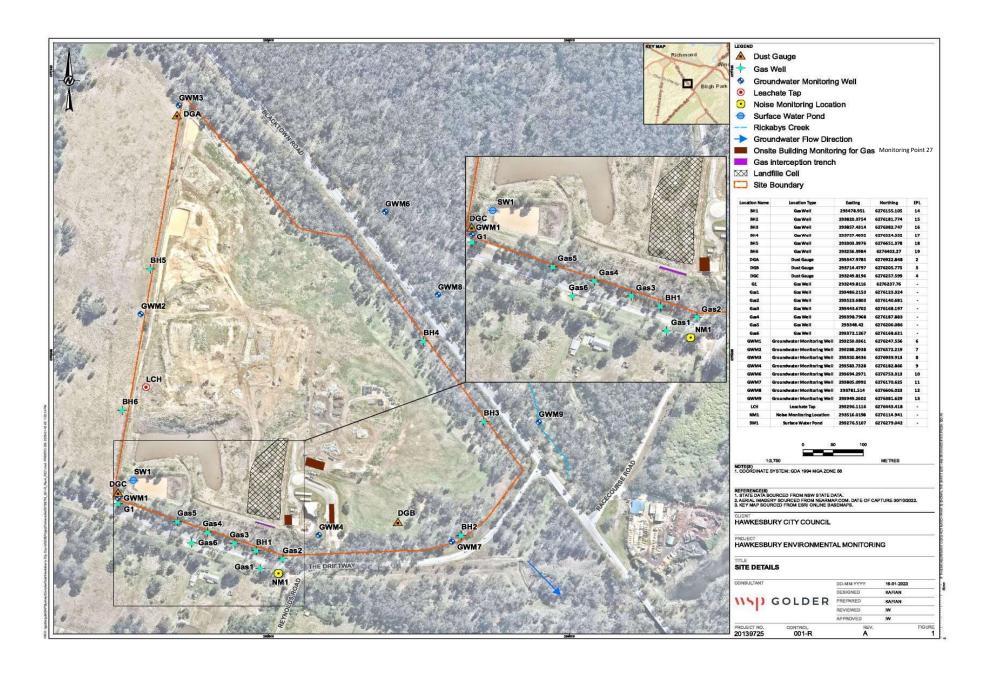
Licence number - 5293

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

Public Register: https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers

Licence Period - 25th July - 24th July

LOR = Limit of Reporting
NT = Not Tested



## Monitoring Point 14 - BH1

			Date Sampled					
Pollutant Ur			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
	Unit	Monitoring Frequency	Date Obtained					
	Oilit	Worldonlig Frequency						
		Monthy	Sample Code					
Carbon Dioxide	% v/v		1.2	1.2	1.3	2	18	1.2
ethane % v/v Mon	Monthy	0.2	0	0.5	0.5	1.3	0.3	

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	1	18.9	14	15.1	12.1	10.7
Methane	% v/v	Monthy	0.1	0	0	0	0.1	0.1

## Monitoring Point 15 - BH2

			Date Sampled	Date Sampled
Pollutant			7/11/2022	22/05/2023
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Foliatalit	Offic	Widilitoring Frequency		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	0.1	0.6
Methane	% v/v	Every 6 Months	0	0

## Monitoring Point 16 - BH3

			Date Sampled	Date Sampled
			7/11/2022	22/05/2023
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Foliatant	Offic	wiorintoring rrequericy		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	28.8	1.7
Methane	% v/v	Every 6 Months	0	0

## Monitoring Point 17 - BH4

			Date Sampled	Date Sampled
Pollutant			7/11/2022	22/05/2023
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
	Offic	Worldoning Frequency		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	0.1	0.3
Methane	% v/v	Every 6 Months	0	0

## Monitoring Point 18 - BH5

Pollutant			Date Sampled					
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
	Unit	Monitoring Frequency	Date Obtained					
	Offic							
			Sample Code					
	% v/v		1.4	5.1	1.4	2.4	0.1	1.2
	% v/v		0.9	0	0.8	1.5	0	0.5

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	1.1	2.2	1.3	1.9	2.7	2.1
Methane	% v/v	Monthy	0.9	0.6	0.3	0.1	0.1	0.1

#### Monitoring Point 19 - BH6

			Date Sampled					
Pollutant			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
	Unit	Monitoring Frequency	Date Obtained					
	Oilit							
			Sample Code					
Carbon Dioxide	% v/v	Monthy	6.5	21.1	6.9	8.8	28	4.1
Methane % v/v	Monthy	20.1	0	17.1	18.1	0.5	15.9	

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	6.2	23.9	15.7	9.7	10.1	12.1
Methane	% v/v	Monthy	11.2	25.1	16.1	10.7	15.1	17.1

## Monitoring Point 20 - G1

Pollutant			Date Sampled					
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
	Unit	Monitoring Frequency	Date Obtained					
	Offic							
			Sample Code					
Carbon Dioxide	% v/v		0.1	8.9	0.1	0.2	0.3	0.1
Methane	% v/v		0	0	0	0	0	0

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.1	0.1	0.1	0.1	0.1	0.2
Methane	% v/v	Monthy	0	0	0	0	0	0

#### Point 21 - Gas2

Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022	
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	
	Oilit								
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	
	% v/v	Monthy		Mall not installed					
	% v/v	Monthy	Well not installed						

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy		Well not	incalled		0.7	0.6
Methane	% v/v	Monthy		weii not	IIISUIIEU		0	0

#### Point 22 - Gas3

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26/07/2022 1/08/2022 26/09/2022 3:	31/10/2022	7/11/2022	20/12/2022		
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Pollutalit	Unit							
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wallnot	installed		
Methane	% v/v	Monthy	Well not installed					

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy		Well not	insalled		0.3	0.5
Methane	% v/v	Monthy		vven not	IIISUIIEU		0	0

#### Point 23 - Gas4

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
Pollutant Unit	Linit	t Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Pollutarit	Offic							
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane	% v/v	Monthy	Well not installed					

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy		Wall not	installed		1.1	0.4
Nethane % v/v Monthy		Well not installed				0	0	

#### Point 24- Gas 6

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
Pollutant Unit	Linit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Pollutarit	Unit   r							
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane	% v/v	Monthy	Well not installed					

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy		Wall not	insalled		0.6	0.3
1ethane % v/v Monthy		- Well not insalled				0	0	

## Point 25 - Gas interception trench

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Foliutarit	Offic							
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	Well not installed					
Methane	% v/v	Monthy	vveii not mstallea					

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy		Wall not	insallad		0.9	0.5
Methane % v/v Monthy			Well not insalled				0.1	0.1

#### RW1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26/07/2022	1/08/2022	26/09/2022	31/10/2022	7/11/2022	20/12/2022
Dallutant	l lmis	Unit   Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Pollutant	Unit   Moni							
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wallnot	installed		
Methane	% v/v	Monthy	Well not installed					

			Date Sampled					
			30/01/2023	28/02/2023	28/03/2023	24/04/2023	22/05/2023	29/06/2023
			Date Obtained					
				25/05/2023	4/04/2023		15/07/2023	26/06/2023
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Wallnot	installed		
Methane	- Well not installed							

## **Monitoring Point 26 - Surface Methane**

			Date Sampled	Date Sampled	Date Sampled
		Aug-22 Nov-22		Nov-22	Feb-23
Pollutant	Unit Mo	nit Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained
Pollutarit	Offic				
			Sample Code	Sample Code	Sample Code
Methane	% v/v	Quarterly	<0.05%	<0.05%	<0.05%

Date Sampled	Date Sampled	Date Sampled
May-23		
Date Obtained	Date Obtained	Date Obtained
Sample Code	Sample Code	Sample Code
-		

## **Monitoring Point 2 - DGA**

Pollutant	Unit		Start Date	Start Date	Start Date	Start Date	
			24/05/2022	29/08/2022	8/11/2022	27/02/2023	
		Monitoring Frequency	Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date	
ı	Pollutarit	Oilit	Worthorning Frequency	29/08/2022	8/11/2022	27/02/2023	24/05/2023
ı				Sample Code	Sample Code	Sample Code	Sample Code
ı							
	Particultes deposited Matter	g/m^2/month	Quarterly	0.1	0.1	0.1	0.1

## **Monitoring Point 3 - DGB**

Pollutant			Start Date	Start Date	Start Date	Start Date	
			24/05/2022	29/08/2022	8/11/2022	27/02/2023	
	Unit		Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date	
ı	Pollutarit	Offic		29/08/2022	8/11/2022	27/02/2023	24/05/2023
ı				Sample Code	Sample Code	Sample Code	Sample Code
I	Particultes deposited Matter	g/m^2/month	Quarterly	0.3	0.4	1.1	0.9

## **Monitoring Point 4 - DGC**

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			24/05/2022	29/08/2022	8/11/2022	27/02/2023
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			29/08/2022	8/11/2022	27/02/2023	24/05/2023
			Sample Code	Sample Code	Sample Code	Sample Code
Particultes deposited Matter	g/m^2/month	Quarterly	0.2	0.5	0.1	1.6

Monitoring Point 1 - LCH

Monitoring Point 1 - LCH			I	I	I	I= :
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	24/05/2023
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
					25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
				SE238805.009		
Alkalinity (as calcium carbonate)	mg/L	Quarterly	490	630	1300	1400
Aluminium	mg/L	Yearly				2.1
Arsenic	mg/L	Yearly				0.019
Barium	mg/L	Yearly				0.45
Benzene	mg/L	Yearly				NT
Biochemical oxygen demand	mg/L	Yearly				10
Cadmium	mg/L	Yearly				0.00001
Calcium	mg/L	Quarterly	28	27	58	64
Chemical oxygen demand	mg/L	Yearly				15
Chloride	mg/L	Quarterly	140	180	520	790
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.015
Conductiviy	μS/cm	Quarterly	1,511	1,959	3,419	5264
Copper	mg/L	Yearly				0.05
Ethyl benzene	mg/L	Yearly				NT
Fluoride	mg/L	Yearly				6
Lead	mg/L	Yearly				0.02
Magnesium	mg/L	Quarterly	20	23	62	83
Manganese	mg/L	Yearly				0.3
Mercury	mg/L	Yearly				0.0001
Nitrate	mg/L	Quarterly	<0.005	<0.005	0.005	0.005
Nitrite	mg/L	Quarterly	<0.005	<0.005	0.005	0.005
Nitrogen (ammonia)	mg/L	Quarterly	152	60	5.000	150
Organochlorine pesticides	mg/L	Yearly				NT
Orgnochlorine pesticides	mg/L	Yearly				NT
pH	pH	Quarterly	7.22	7.09	6.66	7.03
Phosphate	mg/L	Yearly				5.4
Phosphorus (total)	mg/L	Quarterly	2.6	1.7	5.5	1.5
Potassium	mg/L	Quarterly	44	53	100	110
Sodium	mg/L	Quarterly	140		460	660
Sulfate	mg/L	Quarterly	2.1	3.2	5.6	
Toluene	mg/L	Yearly	2.12	5.12	5.0	NT NT
Total chromium	mg/L	Yearly				0.035
Total dissolved solids	mg/L	Quarterly	650	850	1800	2400
Total Iron	mg/L	Yearly		050	2000	7.5
Total organic carbon	mg/L	Yearly				120
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				NT
C10-C14	mg/L	Yearly				NT NT
C15-C28	mg/L	Yearly				NT NT
C29-C36	mg/L	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NT NT
Total Phenolics	mg/L	Yearly				NT
Xylene		Yearly				NT
,	mg/L	<u> </u>				0.081
Zinc	mg/L	Yearly				0.081

Monitoring Point 5 - SW1

		1	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	24/05/2023
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant On	Offic	Monitoring Frequency			25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
				SE238805.010		
Alkalinity (as calcium carbonate)	mg/L	Quarterly	32	42	17	24
Ammonia	mg/L	Quarterly	0.14	0.04	0.01	2.6
Biochemical oxygen demand	mg/L	Quarterly	<5	<5	5	5
Sulfate	mg/L	Quarterly	33	24	96	340
Total Phenolics	mg/L	Yearly				NT*

Monitoring Point 6 - GWM1

Monitoring Foint 0 - GWM1			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	22/05/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	25/05/2023	15/07/2023
			Canada Cada	Canada Cada		
			Sample Code	Sample Code	Sample Code	Sample Code
Allediate (acceleium acceleum accele	/1	Overstant.	200	SE238805.001	220	SE247868
Alkalinity (as calcium carbonate)	mg/L	Quarterly	280	270	330	270
Aluminium	mg/L	Yearly				6.26
Ammonia	mg/L	Quarterly	<0.05	<0.05	0.01	0.15
Arsenic	mg/L	Yearly				0.002
Barium	mg/L	Yearly				0.103
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly				0.0004
Calcium	mg/L	Quarterly	97	91	89	89
Carbonate	mg/L	Quarterly	<1	<1	<1	NT
Chemical oxygen demand	mg/L	Yearly				10
Chloride	mg/L	Quarterly	4200	4300	2.9	4100
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.008
Conductivity	μS/cm	Quarterly	10588	11076	9879	10948
Copper	mg/L	Yearly				0.011
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				8
Lead	mg/L	Yearly				0.012
Magnesium	mg/L	Quarterly	320	290	300	300
Manganese	mg/L	Yearly	7=7			0.108
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.005
Organochlorine pesticides	mg/L	Yearly				NT
Organophosphate pesticides	mg/L	Yearly				NT
рН	pH	Quarterly	6.32	6.3	5.45	6.36
Phosphate	mg/L	Yearly	0.32	0.5	5.45	0.01
Phosphorus (Total)		Quarterly	1.3	0.95	0.17	0.01
Potassium	mg/L mg/L	Quarterly	3	2.6	2.9	0.05
Salinity	-	Quarterly	8100	8000	8000	7800
,	mg/L mg/L	· '	2200	2100	2000	1900
Sodium	-	Quarterly	2200	300	2000	270
Sulfate	mg/L	Quarterly	290	300	280	
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly	0000	0.00	7.00	0.008
Total dissolved solids	mg/L	Quarterly	8000	8100	7400	7300
Total organic carbon	mg/L	Yearly				1.3
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				NT
C10-C14	mg/L	Yearly				NT
C15-C28	mg/L	Yearly				NT
C29-C36	mg/L	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NT
Total Phenolics	mg/L	Yearly				NT
Xylene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.038

Monitoring Point 7 - GWM2

Monitoring Point 7 - GWM2			la	ls	la	la . a
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	22/05/2023
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
					25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
				SE238805.002		SE247868
Alkalinity (as calcium carbonate)	mg/L	Quarterly	320	300	330	290
Aluminium	mg/L	Yearly				5.6
Ammonia	mg/L	Quarterly	<0.05	<0.05	<0.01	0.18
Arsenic	mg/L	Yearly				0.001
Barium	mg/L	Yearly				0.11
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly				0.0005
Calcium	mg/L	Quarterly	120	110	110	110.00
Carbonate	mg/L	Quarterly	<1	<1	<1	NT
Chemical oxygen demand	mg/L	Yearly				10
Chloride	mg/L	Quarterly	4900	5000	4700	4600
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.01
Conductivity	μS/cm	Quarterly	12912	14560	12113	12422
Copper	mg/L	Yearly				NT
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				5
Lead	mg/L	Yearly				0.01
Magnesium	mg/L	Quarterly	320	310	310	310
Manganese	mg/L	Yearly				0.12
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.005
Organochlorine pesticides	mg/L	Yearly				NT
Organophosphate pesticides	mg/L	Yearly				NT
pH	pН	Quarterly	5.98	6.31	4.15	6.01
Phosphate	mg/L	Yearly				0.01
Phosphorus (Total)	mg/L	Quarterly	2.5	0.76	3.6	1.2
Potassium	mg/L	Quarterly	1.3	1	1.40	1.50
Salinity	mg/L	Quarterly	8000	8900	8900	8400
Sodium	mg/L	Quarterly	2500	2300	2300	2300.00
Sulfate	mg/L	Quarterly	280	300	290	270
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly				0.01
Total dissolved solids	mg/L	Quarterly	8200	9000	7900	7400
Total organic carbon	mg/L	Yearly	5250	3000	7300	1.3
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				NT
C10-C14	mg/L	Yearly				NT
C15-C28	mg/L	Yearly				NT NT
C29-C36	mg/L	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NT
Total Phenolics	mg/L	Yearly				NT
Xylene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.041
ZIIIC	lilig/ r	Tearry				1 0.041

Monitoring Point 8 - GWM3

Worldoning Form 8 - GWIVIS			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	22/05/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
			Sample Code	SE238805.003	Sample Code	SE247868
Alkalinity (as calcium carbonate)	mg/L	Quarterly	520	3E238805.003 490	500	
	-	· · · · · · · · · · · · · · · · · · ·	520	490	500	480
Aluminium	mg/L	Yearly	40.0E	40.05	0.02	13.8
Ammonia	mg/L mg/L	Quarterly Yearly	<0.05	<0.05	0.03	<0.05 0.003
Arsenic	-					
Barium	mg/L	Yearly				0.019
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly		400	400	0.0002
Calcium	mg/L	Quarterly	140	120	130	130
Carbonate	mg/L	Quarterly	<1	<1	<1	NT
Chemical oxygen demand	mg/L	Yearly				10
Chloride	mg/L	Quarterly	7500	7500	7400	7600
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.014
Conductivity	μS/cm	Quarterly	19053	18899	18071	15729
Copper	mg/L	Yearly				0.012
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				4
Lead	mg/L	Yearly				0.009
Magnesium	mg/L	Quarterly	610	540	570	560
Manganese	mg/L	Yearly				0.109
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.005
Organochlorine pesticides	mg/L	Yearly				NT
Organophosphate pesticides	mg/L	Yearly				NT
pH	pН	Quarterly	6.61	6.48	5.9	5.85
Phosphate	mg/L	Yearly				0.01
Phosphorus (Total)	mg/L	Quarterly	0.22	0.2	0.59	0.11
Potassium	mg/L	Quarterly	3.2	2.9	3.2	3.3
Salinity	mg/L	Quarterly	13900	14100	14000	14000
Sodium	mg/L	Quarterly	3800	3400	3500	3300
Sulfate	mg/L	Quarterly	550	580	580	550
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly				0.012
Total dissolved solids	mg/L	Quarterly	15000	13000	14000	11000
Total organic carbon	mg/L	Yearly	15000	13000	14000	1.9
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				NT
C10-C14	mg/L	Yearly				NT
C15-C28	mg/L	Yearly				NT NT
C15-C28 C29-C36	mg/L	Yearly				NT NT
						NT NT
C10-C36 (Sum) Total Phenolics	mg/L	Yearly				NT NT
	mg/L	Yearly				
Xylene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.022

Monitoring Point 9 - GWM4

Pollutant	Monitoring Point 9 - GWM4			Data Campled	Data Camarlad	Data Carrellad	Data Campilad
Pollutant   Pol				Date Sampled	Date Sampled	Date Sampled	Date Sampled
Poliusant   Poli							
Sample Code	Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained		
Malainity (as calcium carbonate)   mg/L   Vearby   96   98   100   91   91   132   Aluminium   mg/L   Vearby   96   98   100   91   132   Aluminium   mg/L   Vearby   40.05   <0.05   <0.01   0.22   Arsenic   mg/L   Vearby   60.005   <0.05   <0.01   0.22   Arsenic   mg/L   Vearby   60.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005   <0.005							
Alkalinity (as calcium carbonate)   mg/L   Quarterly   96   98   100   91   132   Ammonia   mg/L   Vearly				Sample Code		Sample Code	<u> </u>
Aluminium							
Ammonia         mg/L         Cuarterly         <0.05         <0.05         <0.01         0.22           Arsenic         mg/L         Yearly          0.004         0.004           Barrum         mg/L         Yearly          0.002           Benzene         mg/L         Yearly          0.002           Sinchemical oxygen demand         mg/L         Yearly          0.002           Cadrium         mg/L         Vearly         24         22         22         20           Carbonate         mg/L         Quarterly         410         380         410         380           Chlorinde de mand         mg/L         Vearly          1         1         <1				96	98	100	
Assenic         mg/L         Vearly         0.000           Benzene         mg/L         Yearly         0.012           Benzene         mg/L         Yearly         0.0005           Biochemical oxygen demand         mg/L         Yearly         0.0002           Calcium         mg/L         Quarterly         24         22         22         22         20           Carbonate         mg/L         Quarterly         1         1         <1			· '				
Barlum		-	,	<0.05	<0.05	<0.01	
Benzene		-	,				
Blochemical oxygen demand			, , , , , , , , , , , , , , , , , , ,				
Cadnium         mg/L         Yearly         24         22         22         22         20         10         11         10         10         10         10         10         10         10         10         10         10         20         10							<0.0005
Calcium         mg/L         Quarterly         24         22         22         20           Carbonate         mg/L         Quarterly         41         41         41         41         MT           Chloride         mg/L         Quarterly         4100         3800         4100         3900           Chloride doubtile compound         mg/L         Yearly         4100         3800         4100         3900           Chromium (hexavalent)         mg/L         Yearly         410         3800         4100         3900           Cobalt         mg/L         Yearly         9.730         10,778         9.932         10464           Copper         mg/L         Yearly         410         4000         300         3010           Elad         mg/L         Yearly         410         4000         300         3010         3010         3010         30	, ,		,				5
Carbonate         mg/L         Quarterly         <1         <1         <1         NT           Chemical oxygen demand         mg/L         Yearly         10         10         3900           Chlorinated volatile compound         mg/L         Yearly         4100         3800         4100         39300           Chorinated volatile compound         mg/L         Yearly         1         0.01         4.02           Chorductivity         µ5/cm         Quarterly         9,730         10,778         9,932         10464           Conductivity         µ5/cm         Quarterly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9         10,778         9,932         10464           Copper         mg/L         Yearly         9         30         10,778         9,932         10464           Copper         mg/L         Yearly         9         30         10,778         9,932         10464           Copper         mg/L         Yearly         9         30         30         30         30         30         30         30         30         30         30         30         30         30 <t< td=""><td>Cadmium</td><td>mg/L</td><td>Yearly</td><td></td><td></td><td></td><td>0.0002</td></t<>	Cadmium	mg/L	Yearly				0.0002
Chemical oxygen demand         mg/L         Yearly         4100         3800         4100         3900           Chloridade Volatile compound         mg/L         Yearly         4100         3800         4100         3900           Chromium (hexavalent)         mg/L         Yearly         9         0.01         1.00           Cobalt         mg/L         Yearly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9         0.006         9,000         10,000           Fluoride         mg/L         Yearly         9         300         310         10,000           Magnesium         mg/L         Yearly         9         300         310         310           Marcangenes         mg/L         Yearly         9         300         310         310           Mercury         mg/L         Yearly         9         300         310         310         310         310         310 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>20</td></t<>							20
Chloride         mg/L Chlorinated volatile compound         mg/L Wearly         4100         3800         4100         3900           Chlorinated volatile compound         mg/L Vearly         410         3800         4100         3900           Chobat         mg/L Vearly         424rly         40         0.00         0.00           Cobat         mg/L Vearly         9,730         10,778         9,932         10464           Copper         mg/L Vearly         40         40         0.006           Ethyl benzene         mg/L Vearly         40         40         0.006           Ethyl benzene         mg/L Vearly         40         40         0.006           Hourde         mg/L Vearly         40         40         0.006           Magnesium         mg/L Vearly         40         40         0.008           Magnesium         mg/L Vearly         40         40         0.008           Mitogen Oxides         mg/L Vearly         40         40         0.003           Nitrogen Oxides         mg/L Vearly         40         40         0.005           Nitrogen Oxides         mg/L Vearly         40         40         0.005           Organophosphate pesticides <t< td=""><td>Carbonate</td><td>mg/L</td><td>Quarterly</td><td>&lt;1</td><td>&lt;1</td><td>&lt;1</td><td></td></t<>	Carbonate	mg/L	Quarterly	<1	<1	<1	
Chlorinated volatile compound   mg/L   Vearly   mg/L   Vearly   mg/L   Vearly   mg/L   Vearly   mg/L	Chemical oxygen demand	mg/L	Yearly				10
Chromium (hexavalent)         mg/L         Yearly         — 0.01           Cobalt         mg/L         Yearly         — 0.006           Conductivity         µ5/m         Quarterly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         — 0.006         €         0.005         €           Ethyl benzene         mg/L         Yearly         — 0.005         €         €         0.0005         €           Lead         mg/L         Yearly         — 0.006         €         0.008         Magnesium         mg/L         Vearly         — 0.008         0.038           Magnesium         mg/L         Yearly         — 0.009         300         310	Chloride	mg/L	Quarterly	4100	3800	4100	3900
Cobalt         mg/L         Yearly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         9,730         10,778         9,932         10464           Ethyl benzene         mg/L         Yearly         9,730         10,000         40,0005           Fluoride         mg/L         Yearly         9,730         10,000         300         300           Lead         mg/L         Yearly         9,200         300         310         310           Manganese         mg/L         Yearly         9,200         300         310         310           Mercury         mg/L         Yearly         9,200         300         310         310           Mercury         mg/L         Yearly         9,200         300         310         310           Mercury         mg/L         Yearly         9,200         300         310         310         310         310         310         310         310	Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Conductivity         µS/cm         Quarterly         9,730         10,778         9,932         10464           Copper         mg/L         Yearly         —         —         0.006           Ethyl benzene         mg/L         Yearly         —         —         0.0005           Fluoride         mg/L         Yearly         —         —         0.0008           Read         mg/L         Yearly         —         —         0.008           Magnesium         mg/L         Yearly         —         —         0.008           Marcury         mg/L         Yearly         —         —         0.003           Mitrogen Oxides         mg/L         Yearly         —         —         0.005           Nitrogen Oxides         mg/L         Yearly         —         —         NT           Organochlorine pesticides         mg/L         Yearly         —         —         NT           PH         pH         Quarterly         —         6.65         7.06         5.77         5.74           Phosphate         mg/L         Yearly         —         —         —         —         —         —         —         —         —	Chromium (hexavalent)	mg/L	Yearly				0.01
Copper         mg/L         Yearly          0.006           Ethyl benzene         mg/L         Yearly          <0.005	Cobalt	mg/L	Yearly				0.006
Ethyl benzene         mg/L         Yearly         Co.0005           Fluoride         mg/L         Yearly         Co.0005           Lead         mg/L         Quarterly         Co.0008           Magnesium         mg/L         Quarterly         320         290         300         310           Manganese         mg/L         Yearly         Co.003         300         310           Mercury         mg/L         Yearly         Co.005         300         300         310           Mitrogen Oxides         mg/L         Yearly         Co.005         300         300         300           Organochlorine pesticides         mg/L         Yearly         Co.005         300         300         300           Organophosphate pesticides         mg/L         Yearly         Co.005         7.06         5.77         5.74           Phosphate         mg/L         Quarterly         6.65         7.06         5.77         5.74           Phosphate         mg/L         Quarterly         0.36         0.07         0.03         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.01           Solida	Conductivity	μS/cm	Quarterly	9,730	10,778	9,932	10464
Fluoride	Copper	mg/L	Yearly				0.006
Lead         mg/L         Yearly         9         0.008           Magnesium         mg/L         Quarterly         320         290         300         310           Manganese         mg/L         Yearly         9         0.0234         0.031           Mercury         mg/L         Yearly         9         0.0001           Nitrogen Oxides         mg/L         Yearly         9         0.005           Organophosphate pesticides         mg/L         Yearly         9         NT           pH         Quarterly         6.65         7.06         5.77         5.74           Phosphors (Total)         mg/L         Yearly         9         0.01         9         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.01           Phosphorus (Total)         mg/L         Quarterly         1         0.8         1.1         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         10         1800         1800         1800           Sulfate         mg/L	Ethyl benzene	mg/L	Yearly				<0.0005
Magnesium         mg/L         Quarterly         320         290         300         310           Manganese         mg/L         Yearly           0.234           Mercury         mg/L         Yearly          0.0001           Nitrogen Oxides         mg/L         Yearly          0.0005           Organochlorine pesticides         mg/L         Yearly          NT           Organophosphate pesticides         mg/L         Yearly          NT           Phosphate         mg/L         Yearly          0.01         NT           Phosphate         mg/L         Yearly          0.01         0.01         NT           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.01         0.01         0.00         0.01         0.03         0.01         0.01         0.00         0.01         0.00         0.01	Fluoride	mg/L	Yearly				5
Manganese         mg/L         Yearly         Mercury         mg/L         Yearly         Mercury         Mercury         mg/L         Yearly         Mercury         Mercury<	Lead	mg/L	Yearly				0.008
Mercury         mg/L         Yearly         0.0001           Nitrogen Oxides         mg/L         Yearly         0.005           Organophosphate pesticides         mg/L         Yearly         0.005           Organophosphate pesticides         mg/L         Yearly         0.001           pH         pH         Quarterly         6.65         7.06         5.77         5.74           Phosphate         mg/L         Yearly         0.01         0.01         0.01         0.01         0.01           Phosphate         mg/L         Quarterly         0.36         0.07         0.03         0.01	Magnesium	mg/L	Quarterly	320	290	300	310
Nitrogen Oxides         mg/L         Yearly         0.005           Organochlorine pesticides         mg/L         Yearly         MITO           Organophosphate pesticides         mg/L         Yearly         MITO           Ph         pH         Quarterly         6.65         7.06         5.77         5.74           Phosphate         mg/L         Yearly         0.01         0.01         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Phosphorus (Total)         mg/L         Quarterly         1         0.8         1.1         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800         1800           Sulfate         mg/L         Yearly         210         130         140         130         140         130           Total chromium         mg/L         Yearly         7800         7000	Manganese	mg/L	Yearly				0.234
Organochlorine pesticides         mg/L         Yearly         NT           Organophosphate pesticides         mg/L         Yearly         MS           pH         pH         Quarterly         6.65         7.06         5.77         5.74           Phosphorus (Total)         mg/L         Yearly         W         0.01         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Potassium         mg/L         Quarterly         1         0.8         1.1         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Total chromium         mg/L         Yearly         1         0.012         6900         6700           Total organic carbon         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         1	Mercury	mg/L	Yearly				0.0001
Organophosphate pesticides         mg/L         Yearly         MIT           pH         pH         Quarterly         6.65         7.06         5.77         5.74           Phosphate         mg/L         Yearly         0.01         0.01         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Potassium         mg/L         Quarterly         1         0.8         1.1         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Total chromium         mg/L         Yearly         1         0.005         0.005           Total dromium         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         9         0         6900         6700           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         9 </td <td>Nitrogen Oxides</td> <td>mg/L</td> <td>Yearly</td> <td></td> <td></td> <td></td> <td>0.005</td>	Nitrogen Oxides	mg/L	Yearly				0.005
pH         pH         Quarterly         6.65         7.06         5.77         5.74           Phosphate         mg/L         Yearly         0.01         0.01         0.01         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Potassium         mg/L         Quarterly         1         0.8         1.1         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         140         130         1800	Organochlorine pesticides	mg/L	Yearly				NT
Phosphate         mg/L         Yearly         0.01           Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Potassium         mg/L         Quarterly         1         0.8         1.1         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Toluene         mg/L         Yearly         140         130         140         130           Total chromium         mg/L         Yearly         140         130         140         130           Total dissolved solids         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         7800         7000         6900         6700           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         1         NT           C10-C14         mg/L         Yearly         1	Organophosphate pesticides	mg/L	Yearly				NT
Phosphorus (Total)         mg/L         Quarterly         0.36         0.07         0.03         0.11           Potassium         mg/L         Quarterly         1         0.8         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Toluene         mg/L         Yearly         140         130         140         130           Total chromium         mg/L         Yearly         1         0         6900         6700           Total dissolved solids         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         1         4.1           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         1         NT           C10-C14         mg/L         Yearly         1         NT           C15-C28         mg/L         Yearly         1         NT           C10-C36 (Sum	pH	рН	Quarterly	6.65	7.06	5.77	5.74
Potassium         mg/L         Quarterly         1         0.8         1.1         1.1           Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Toluene         mg/L         Yearly         140         130         140         130           Total chromium         mg/L         Yearly         140         130         140         130           Total dissolved solids         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         7800         7000         6900         6700           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         10	Phosphate	mg/L	Yearly				0.01
Salinity         mg/L         Quarterly         7100         7200         7500         7100           Sodium         mg/L         Quarterly         2100         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Toluene         mg/L         Yearly         9         6000         6000         6700           Total chromium         mg/L         Yearly         7800         7000         6900         6700           Total dissolved solids         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         9         4.1         1           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         9         8         1         NT           C10-C14         mg/L         Yearly         9         8         NT         NT <td>Phosphorus (Total)</td> <td>mg/L</td> <td>Quarterly</td> <td>0.36</td> <td>0.07</td> <td>0.03</td> <td>0.11</td>	Phosphorus (Total)	mg/L	Quarterly	0.36	0.07	0.03	0.11
Sodium         mg/L         Quarterly         2100         1800         1800         1800           Sulfate         mg/L         Quarterly         140         130         140         130           Toluene         mg/L         Yearly         9         60005         6000         6000         6700           Total dissolved solids         mg/L         Yearly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         9         6900         6700           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         9         7         7           C10-C14         mg/L         Yearly         9         7	Potassium	mg/L	Quarterly	1	0.8	1.1	1.1
Sulfate         mg/L         Quarterly         140         130         140         130           Toluene         mg/L         Yearly           <0.0005	Salinity	mg/L	Quarterly	7100	7200	7500	7100
Toluene         mg/L         Yearly         <0.0005           Total chromium         mg/L         Yearly         0.012           Total dissolved solids         mg/L         Quarterly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         0.012	Sodium	mg/L	Quarterly	2100	1800	1800	1800
Total chromium         mg/L         Yearly         0.012           Total dissolved solids         mg/L         Quarterly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         9         4.1         4.1         4.1         4.1         1	Sulfate	mg/L	Quarterly	140	130	140	130
Total chromium         mg/L         Yearly         0.012           Total dissolved solids         mg/L         Quarterly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         9         4.1         4.1         4.1         4.1         1	Toluene	mg/L	Yearly				<0.0005
Total dissolved solids         mg/L         Quarterly         7800         7000         6900         6700           Total organic carbon         mg/L         Yearly         4.1           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         NT           C10-C14         mg/L         Yearly         NT           C15-C28         mg/L         Yearly         NT           C29-C36         mg/L         Yearly         NT           C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly			•				0.012
Total organic carbon         mg/L         Yearly         4.1           Total petroleum hydrocarbons C6-C9         mg/L         Yearly         NT           C10-C14         mg/L         Yearly         NT           C15-C28         mg/L         Yearly         NT           C29-C36         mg/L         Yearly         NT           C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly	Total dissolved solids	-	,	7800	7000	6900	6700
Total petroleum hydrocarbons C6-C9         mg/L         Yearly         NT           C10-C14         mg/L         Yearly         NT           C15-C28         mg/L         Yearly         NT           C29-C36         mg/L         Yearly         NT           C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly         <0.0015	Total organic carbon		,				4.1
C10-C14         mg/L         Yearly         NT           C15-C28         mg/L         Yearly         NT           C29-C36         mg/L         Yearly         NT           C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly         <0.0015	Ÿ		•				NT
C15-C28         mg/L         Yearly         NT           C29-C36         mg/L         Yearly         NT           C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly         <0.0015	· /	-	,				NT
C29-C36         mg/L         Yearly         NT           C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly         <0.0015			'				NT
C10-C36 (Sum)         mg/L         Yearly         NT           Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly         <0.0015							NT
Total Phenolics         mg/L         Yearly         NT           Xylene         mg/L         Yearly         <0.0015			'				NT
Xylene mg/L Yearly <0.0015	, ,						NT
	Zinc	mg/L	Yearly	0.032			0.032

Monitoring Point 10 - GWM6

Monitoring Point 10 - GWM6			I=	I	I=	I
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	22/05/2023
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
					25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
				SE238805.005		SE247868
Alkalinity (as calcium carbonate)	mg/L	Quarterly	200	200	120	95
Aluminium	mg/L	Yearly				7.11
Ammonia	mg/L	Quarterly	0.01	0.13	<0.01	0.08
Arsenic	mg/L	Yearly				0.002
Barium	mg/L	Yearly				0.01
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly				0.0003
Calcium	mg/L	Quarterly	42	42	18	18
Carbonate	mg/L	Quarterly	<1	<1	<1	NT
Chemical oxygen demand	mg/L	Yearly				10
Chloride	mg/L	Quarterly	64	40	29	65
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.008
Conductivity	μS/cm	Quarterly	723	515	549	577
Copper	mg/L	Yearly				0.01
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				6
Lead	mg/L	Yearly				0.01
Magnesium	mg/L	Quarterly	17	15	7.3	8
Manganese	mg/L	Yearly			-	0.11
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.005
Organochlorine pesticides	mg/L	Yearly				NT
Organophosphate pesticides	mg/L	Yearly				NT
рН	pH	Quarterly	5.87	6.62	6.54	4.8
Phosphate	mg/L	Yearly	3.07	0.02	0.54	0.02
Phosphorus (Total)	mg/L	Quarterly	1.9	0.11	0.29	1.8
Potassium	mg/L	Quarterly	0.4		0.2	0.3
Salinity	mg/L	Quarterly	230		200	280
Sodium	mg/L	Quarterly	67	48	42	44
Sulfate	mg/L	Quarterly	20	_	17	17
Toluene	mg/L	Yearly	20	12	17	<0.0005
Total chromium	mg/L	Yearly				0.000
Total dissolved solids	mg/L	Quarterly	400	330	380	700
		Yearly	400	330	380	13
Total organic carbon Total petroleum hydrocarbons C6-C9	mg/L mg/L	Yearly				NT
C10-C14	-	Yearly				NT NT
	mg/L					
C15-C28	mg/L	Yearly				NT
C29-C36	mg/L	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NT
Total Phenolics	mg/L	Yearly				NT
Xylene 	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly	0.04			0.04

Monitoring Point 11 - GWM7

Monitoring Point 11 - GWM7			I=	I= . =	I=	
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	22/05/2023
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
					25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
				SE238805.006		SE247868
Alkalinity (as calcium carbonate)	mg/L	Quarterly	220	300	220	
Aluminium	mg/L	Yearly				5.45
Ammonia	mg/L	Quarterly	0.01	0.02	<0.01	<0.01
Arsenic	mg/L	Yearly				0.003
Barium	mg/L	Yearly				0.1
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly				0.0004
Calcium	mg/L	Quarterly	54	48	37	37
Carbonate	mg/L	Quarterly	<1	<1	<1	NT
Chemical oxygen demand	mg/L	Yearly				10
Chloride	mg/L	Quarterly	3800	3600	3600	3200
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.005
Conductivity	μS/cm	Quarterly	9,948	10,138	8,363	9842
Copper	mg/L	Yearly			·	0.013
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				3
Lead	mg/L	Yearly				0.01
Magnesium	mg/L	Quarterly	210	190	160	170
Manganese	mg/L	Yearly				0.14
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.005
Organochlorine pesticides	mg/L	Yearly				NT
Organophosphate pesticides	mg/L	Yearly				NT
рН	pH	Quarterly	6.39	6.01	5.76	5.84
Phosphate	mg/L	Yearly	0.33	0.01	3.70	0.01
Phosphorus (Total)	mg/L	Quarterly	0.28	0.03	0.1	0.11
Potassium	mg/L	Quarterly	1.1	0.03	0.1	0.9
Salinity	mg/L	Quarterly	6900	7000	7100	6900
Sodium	mg/L	Quarterly	2000	1900	1800	1900
Sulfate	mg/L	Quarterly	120	140	100	81
Toluene	mg/L	Yearly	120	140	100	<0.0005
Total chromium	mg/L	Yearly				0.005
Total dissolved solids		,	6500	7000	6100	5700
	mg/L	Quarterly	6500	7000	9100	
Total patroloum budracarbons C6 C0	mg/L	Yearly				1.3 NT
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14	mg/L	Yearly				NT
C15-C28	mg/L	Yearly				NT
C29-C36	mg/L	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NT
Total Phenolics	mg/L	Yearly				NT
Xylene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.04

Monitoring Point 12 - GWM8

Monitoring Point 12 - GWM8			Data Campled	Data Campled	Data Campled	Data Campled
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/08/2022	7/11/2022	27/02/2023	· · · · · · · · · · · · · · · · · · ·
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
					25/05/2023	
			Sample Code	Sample Code	Sample Code	Sample Code
	4.			SE238805.007		SE247868
	mg/L	Quarterly	300	250	180	
Aluminium	mg/L	Yearly				9.9
Ammonia	mg/L	Quarterly	0.52	0.26	0.04	
Arsenic	mg/L	Yearly				0.001
Barium	mg/L	Yearly				0.1
Benzene	mg/L	Yearly				< 0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly				0.0005
Calcium	mg/L	Quarterly	87	98	34	
Carbonate	mg/L	Quarterly	<1	<1	<1	
Chemical oxygen demand	mg/L	Yearly				10
Chloride	mg/L	Quarterly	3500	3800	1800	
Chlorinated volatile compound	mg/L	Yearly				<lof< td=""></lof<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				N1
Conductivity	μS/cm	Quarterly	8,960	4,124	9,762	11759
Copper	mg/L	Yearly				0.013
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				1
Lead	mg/L	Yearly				0.09
Magnesium	mg/L	Quarterly	230	270	96	290
Manganese	mg/L	Yearly				0.11
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.01
Organochlorine pesticides	mg/L	Yearly				N1
Organophosphate pesticides	mg/L	Yearly				N7
pH	рН	Quarterly	6.32	6.35	6.61	6.33
Phosphate	mg/L	Yearly				0.02
Phosphorus (Total)	mg/L	Quarterly	1.7	0.28	0.27	6.6
Potassium	mg/L	Quarterly	10	8.2	6.8	5.4
Salinity	mg/L	Quarterly	5400	5100	4000	8900
Sodium	mg/L	Quarterly	1900	2000	730	2300
Sulfate	mg/L	Quarterly	140	180	81	200
Toluene	mg/L	Yearly				< 0.0005
Total chromium	mg/L	Yearly				0.0005
Total dissolved solids	mg/L	Quarterly	5800	7500	3400	7600
Total organic carbon	mg/L	Yearly				14
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				N7
C10-C14	mg/L	Yearly				N1
C15-C28	mg/L	Yearly				N1
	mg/L	Yearly				N1
C10-C36 (Sum)	mg/L	Yearly				N1
Total Phenolics	mg/L	Yearly				N1
Xylene	mg/L	Yearly				<0.0015
Ayiene	1116/ L	Yearly				\0.0013

Monitoring Point 13 - GWM9

Monitoring Point 13 - GWM9			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			<u> </u>	· ·		
			29/08/2022	7/11/2022	27/02/2023	22/05/2023
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Secretaria Contra	Consider Contra	25/05/2023	15/07/2023
			Sample Code	Sample Code	Sample Code	Sample Code
All all the december of the sector	/1	0		SE238805.008	110	SE247868
Alkalinity (as calcium carbonate)	mg/L	Quarterly	77	130	140	190
Aluminium	mg/L	Yearly				13.9
Ammonia	mg/L	Quarterly	0.06	0.55	0.56	0.94
Arsenic	mg/L	Yearly				0.003
Barium	mg/L	Yearly				0.01
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				5
Cadmium	mg/L	Yearly				0.0004
Calcium	mg/L	Quarterly	7.2	7.5	7.1	11
Carbonate	mg/L	Quarterly	<1	<1	<1	NT
Chemical oxygen demand	mg/L	Yearly				10.1
Chloride	mg/L	Quarterly	130	280	360	1000
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				0.01
Cobalt	mg/L	Yearly				0.008
Conductivity	μS/cm	Quarterly	1,043	640	1,716	2371
Copper	mg/L	Yearly				0.011
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				1.5
Lead	mg/L	Yearly				0.034
Magnesium	mg/L	Quarterly	6	8.3	9.8	19
Manganese	mg/L	Yearly	-			0.15
Mercury	mg/L	Yearly				0.0001
Nitrogen Oxides	mg/L	Yearly				0.01
Organochlorine pesticides	mg/L	Yearly				NT
Organophosphate pesticides	mg/L	Yearly				NT
pH	pH	Quarterly	7.21	7.11	7.12	6.87
Phosphate	mg/L	Yearly	7.21	7.11	7.12	0.87
		· ·	1.2	2.2	1.4	18
Phosphorus (Total)	mg/L	Quarterly	1.3 5.9	3.3 5.9	1.4	7.8
Potassium	mg/L	Quarterly				2300
Salinity	mg/L	Quarterly	1500	1700	930	
Sodium	mg/L	Quarterly	100	220	250 14	400
Sulfate	mg/L	Quarterly	9.5	15	14	
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly				0.001
Total dissolved solids	mg/L	Quarterly	370	690	750	1900
Total organic carbon	mg/L	Yearly				28
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				NT
C10-C14	mg/L	Yearly				NT
C15-C28	mg/L	Yearly				NT
C29-C36	mg/L	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NT
Total Phenolics	mg/L	Yearly				NT
Xylene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.03

## **Polluntant Monitoring - Correction Log**

EPL No: 5293

Sample Point	Pollutant	Sample Date and Time	Original Data	Corrected Data	Date Originally Published	Reason
Monitoring Point 26	Methane	2022-2023	-	Refer to table.	Jul-24	Data not originally published.

## **Polluntant Monitoring - notes**

EPL No: 5293

Sample Point	Pollutant	Note
F C\\\\1	Total Phanalia	*Surface monitoring point had limited volume (due to construction of new landfill cell),
5 - SW1	Total Phenolic	therefore not enough water volume was available to conduct the Total Phenolic analysis.

# **Monitoring Point 26 - Further Detail**

Reporting Year	Monitoring Date	Methane Concentration (ppm)	%	GPS Coordinates		
		Ň		Southing	Easting	
2022	Aug-22	<500	<0.05%	N/A	N/A	
20	Nov-22	<500	<0.05%	N/A	N/A	
2023	Feb-23	<500	<0.05%	N/A	N/A	
20	May-23	-		-	-	

	Comments		
N/A			
N/A			
N/A N/A N/A			
_			