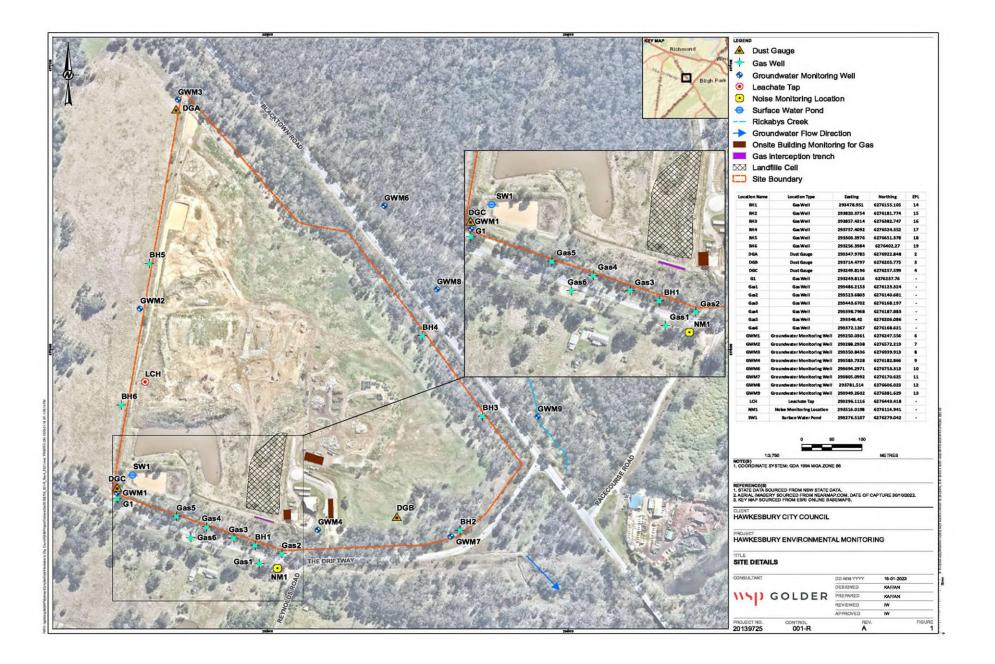
Hawkesbury Waste Management Facility - Yearly Summary for 2020/21

Licence number - 5293

Hawkesbury Waste Management Facility - The Driftway, South WindsorNSW 2756 Licencee - Hawkesbury City Council Public Register : https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers

Licence Period - 25th July - 24th July

LOR = Limit of Reporting NT = Not Tested



Monitoring Point 14 - BH1

Pollutant			Date Sampled					
			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained					
	Onit	womening requercy	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy	4.5	2	9.4	9.6	4.9	0.3
Methane	% v/v	Monthy	10.7	0.6	0.6	0	0.1	0

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy	2.8	2.4	13.2	4	14.3	10.3
Methane	% v/v	Monthy	0	0	0.5	0.3	0	0

Monitoring Point 15 - BH2

			Date Sampled	Date Sampled
Pollutant			10/02/2021	26/05/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Fonutant	Unit	womening requercy	10/02/2021	26/05/2021
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	6.5	8.2
Methane	% v/v	Every 6 Months	0	0

Monitoring Point 16 - BH3

			Date Sampled	Date Sampled
Pollutant			10/02/2021	26/05/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
	Unit	womoning rrequency	10/02/2021	26/05/2021
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	3.3	6.8
Methane	% v/v	Every 6 Months	0	0

Monitoring Point 17 - BH4

			Date Sampled	Date Sampled
Pollutant			10/02/2021	26/05/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Foliatant	Unit	womening requercy	10/02/2021	26/05/2021
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	1	0
Methane	% v/v	Every 6 Months	0	0

Monitoring Point 18 - BH5

Pollutant U			Date Sampled					
			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained					
	Unit	womening requency	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
		Monthy	Sample Code					
Carbon Dioxide % v/v Methane % v/v	% v/v		17.1	14	17	15	19.3	22.3
	Monthy	21.7	15.8	14.1	0	6.4	15.3	

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy	24.5	23	1.9	20.4	4.3	4
Methane	% v/v	Monthy	14.8	14.2	0	10.3	1.7	1.3

Monitoring Point 19 - BH6

Pollutant Unit			Date Sampled					
			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained					
	Onit	0 1 <i>1</i>	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code					
Carbon Dioxide % v/v	Monthy	14.6	14.3	1.4	9.1	7.1	18.3	
Methane	% v/v	Monthy	5.1	4.1	1.9	0	0	7.4

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy	7.2	5.9	1.9	22.2	22.1	12.1
Methane	% v/v	Monthy	0.3	0	8.6	33.8	29.7	19.8

Monitoring Point 20 - G1

Pollutant Uni			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Onic	J . ,	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
arbon Dioxide % v	% v/v	Monthy		Well not installed				
Methane	% v/v Monthy		vven not installea					

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy	NT	0	0	NT	0	0
Methane	% v/v	Monthy	NT	0	0	NT	0	0

Point 21 - Gas2

Pollutant			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Polititant	Unit	womening riequency	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide								
	% v/v	Monthy						
Methane	% v/v	Monthy	Well not installed					

Waste Managment Facility - 5293

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Well not	installed		
Methane	% v/v	Monthy			wennot	installea		

Point 22 - Gas3

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant Unit			11/08/2020			4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Pollutant	Unit	womening riequency	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code		Sample Code	Sample Code		
Carbon Dioxide	% v/v Monthy	Well not installed						
Methane	% v/v	Monthy	Wen not instanea					

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Well not	installed		
Methane			wennot	Installed				

Point 23 - Gas4

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	
Pollutant Uni			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021	
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	ned Date Obtained Date Obtained	Date Obtained	Date Obtained	Date Obtained	
Polititant	Unit	womening riequency	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021	
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code		
Carbon Dioxide	% v/v	Monthy	Well not installed						
Methane	% v/v	Monthy	vven not instanea						

Waste Managment Facility - 5293

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Well not	installed		
Methane	% v/v	Monthy			wennot	Instaneu		

Point 24- Gas 6

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant Unit			11/08/2020			3/12/2020	13/01/2021	
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Fondtant	Unit	womening requercy	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	/v Monthy			Wall not	installed		
Methane	% v/v	Monthy	Well not installed					

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			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					

Point 25 - Gas interception trench

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant Unit			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Fonutant	Onit	womening requercy	24/08/2020	25/09/2020	7/10/2020	10/11/2020	10/12/2020	15/01/2021
							Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane	% v/v	Monthy	Well not installed					

			Date Sampled					
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained					
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane	% v/v	Monthy			wennot	Installed		

RW1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2020	11/09/2020	7/10/2020	4/11/2020	3/12/2020	13/01/2021
	Manitarian Furnisan	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	
Pollutant	Unit	Monitoring Frequency	24/08/2020	24/08/2020 25/09/2020 7	7/10/2020	10/11/2020	10/12/2020	15/01/2021
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	Well not installed					
Methane	% v/v	Monthy	vven not instanea					

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			10/02/2021	12/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			10/02/2021	21/03/2021	16/04/2021	26/05/2021	25/06/2021	13/07/2021
			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					

Monitoring Point 2 - DGA

			Start Date	Start Date	Start Date	Start Date
Pollutant Unit					4/11/2020	10/02/2021
	Unit	Monitoring Frequency	Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
	Onic	womening requency	Aug 2020	Nov 2020	10/02/2021	26/05/2021
			Sample Code	Sample Code	Sample Code	Sample Code
						EN2104592-001
Particultes deposited Matter	g/m^2/month	Quarterly	NT	NT	1.5	1.2

Monitoring Point 3 - DGB

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
					4/11/2020	10/02/2021
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			Aug 2020	Nov 2020	10/02/2021	26/05/2021
			Sample Code	Sample Code	Sample Code	Sample Code
						EN2104592-002
Particultes deposited Matter	g/m^2/month	Quarterly	NT	NT	2.9	8.6

Monitoring Point 4 - DGC

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
					4/11/2020	10/02/2021
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			Aug 2020	Nov 2020	10/02/2021	26/05/2021
			Sample Code	Sample Code	Sample Code	Sample Code
						EN2104592-003
Particultes deposited Matter	g/m^2/month	Quarterly	NT	NT	2.4	2.4

Monitoring Point 1 - LCH

Monitoring Point 1 - LCH			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			· · · · · · · · · · · · · · · · · · ·	Nov 2020		
			Aug 2020		10/02/2021	26/05/2021
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Consulta Conta	Constantia Conta	Consulta Conta	Consulta Conta
			Sample Code	Sample Code	Sample Code	Sample Code ES2120298-008
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	ES2105055-009 2210	
Aluminium	mg/L	Yearly	INI	IN I	2210	1.44
Arsenic	mg/L	Yearly				0.017
Barium	mg/L	Yearly				0.357
Benzene	mg/L	Yearly				0.003
Biochemical oxygen demand	mg/L	Yearly				15
Cadmium	mg/L	Yearly				<0.0001
Calcium	mg/L	Quarterly	NT	NT	53	<0.0001
Chemical oxygen demand	mg/L	Yearly	INI	INI	55	20 NT
Chloride	mg/L	Quarterly	NT	NT	1150	565
Chromium (hexavalent)	.	Yearly	INI	INI	1150	<0.01
Cobalt	mg/L mg/L	Yearly				0.012
	.	· ·	NT	NT	7 420	
Conductiviy	μS/cm	Quarterly	NT	NT	7,420	4680
Copper	mg/L	Yearly				0.044
Ethyl benzene	mg/L	Yearly				<0.002
Fluoride	mg/L	Yearly				0.8
Lead	mg/L	Yearly			100	0.01
Magnesium	mg/L	Quarterly	NT	NT	133	38
Manganese	mg/L	Yearly				0.206
Mercury	mg/L	Yearly				<0.001
Nitrate	mg/L	Quarterly	NT	NT	0.1	NT
Nitrite	mg/L	Quarterly	NT	NT	0.75	NT
Nitrogen (ammonia)	mg/L	Quarterly	NT	NT	nt	197
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Orgnochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	pН	Quarterly	NT	NT	6.88	7.96
Phosphate	mg/L	Yearly				NT
Phosphorus (total)	mg/L	Quarterly	NT	NT	1.34	3.22
Potassium	mg/L	Quarterly	NT	NT	122	124
Sodium	mg/L	Quarterly	NT	NT	1120	538
Sulfate	mg/L	Quarterly	NT	NT	17	<1
Toluene	mg/L	Yearly				<0.002
Total chromium	mg/L	Yearly				0.032
Total dissolved solids	mg/L	Quarterly	NT	NT	4120	2360
Total Iron	mg/L	Yearly				6.48
Total organic carbon	mg/L	Yearly				NT
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				0.03
C10-C14	mg/L	Yearly				0.43
C15-C28	mg/L	Yearly				0.73
C29-C36	mg/L	Yearly				<100
C10-C36 (Sum)	mg/L	Yearly				1.13
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				0.03
Zinc	mg/L	Yearly				0.072

Monitoring Point 5 - SW1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020	Nov 2020	10/02/2021	26/05/2021
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant Unit	Unit	wonitoring Frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
					ES2105056-010	ES2120298-010
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	308	221
Ammonia	mg/L	Quarterly	NT	NT	0.25	<0.01
Biochemical oxygen demand	mg/L	Quarterly	NT	NT	<2	2
Sulfate	mg/L	Quarterly	NT	NT	43	20
Total Phenolics	mg/L	Yearly				<0.05

Monitoring Point 6 - GWM1

Monitoring Point 6 - GWM1			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020			26/05/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
					ES2105056-001	ES2120298-001
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	300	312
Aluminium	mg/L	Yearly				6.26
Ammonia	mg/L	Quarterly	NT	NT	0.02	<0.01
Arsenic	mg/L	Yearly				0.002
Barium	mg/L	Yearly				0.103
Benzene	mg/L	Yearly				<0.001
Biochemical oxygen demand	mg/L	Yearly				2
Cadmium	mg/L	Yearly				0.0004
Calcium	mg/L	Quarterly	NT	NT	92	105
Carbonate	mg/L	Quarterly	NT	NT	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	NT	NT	4320	4150
Chlorinated volatile compound	mg/L	Yearly				NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly				0.008
Conductivity	μS/cm	Quarterly	NT	NT	13400	12300
Copper	mg/L	Yearly				0.011
Ethyl benzene	mg/L	Yearly				<0.02
Fluoride	mg/L	Yearly				0.8
Lead	mg/L	Yearly				0.012
Magnesium	mg/L	Quarterly	NT	NT	319	318
Manganese	mg/L	Yearly				0.108
Mercury	mg/L	Yearly				< 0.0001
Nitrogen Oxides	mg/L	Yearly				<0.01
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
pH	pH	Quarterly	NT	NT	6.9	6.91
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.29	0.46
Potassium	mg/L	Quarterly	NT	NT	2	5
Salinity	mg/L	Quarterly	NT	NT	7720	7030
Sodium	mg/L	Quarterly	NT	NT	2190	1980
Sulfate	mg/L	Quarterly	NT	NT		302
Toluene	mg/L	Yearly				<0.002
Total chromium	mg/L	Yearly				0.008
Total dissolved solids	mg/L	Quarterly	NT	NT	9000	8790
Total organic carbon	mg/L	Yearly				6
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<0.02
C10-C14	mg/L	Yearly				<0.05
C15-C28	mg/L	Yearly				<0.1
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				<0.05
Total Phenolics	mg/L	Yearly				< 0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				0.038

Monitoring Point 7 - GWM2

Monitoring Point 7 - GWM2			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020		10/02/2021	26/05/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency		Bate Bata Obtailed		
			Sample Code	Sample Code	Sample Code	Sample Code
				Sumple code	ES2105056-002	ES2120298-002
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	308	
Aluminium	mg/L	Yearly				10.8
Ammonia	mg/L	Quarterly	NT	NT	<0.01	<0.01
Arsenic	mg/L	Yearly				0.004
Barium	mg/L	Yearly				0.114
Benzene	mg/L	Yearly				<0.01
Biochemical oxygen demand	mg/L	Yearly				2
Cadmium	mg/L	Yearly				0.0001
Calcium	mg/L	Quarterly	NT	NT	117	124.00
Carbonate	mg/L	Quarterly	NT	NT	<1	
Chemical oxygen demand	mg/L	Yearly	INT	N1		NT
Chloride	mg/L	Quarterly	NT	NT	1700	4470
Chlorinated volatile compound	mg/L	Yearly			1700	NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly				0.014
Conductivity	μS/cm	Quarterly	NT	NT	14600	13100
Copper	mg/L	Yearly			14000	0.011
Ethyl benzene	mg/L	Yearly				<0.002
Fluoride	mg/L	Yearly				0.60
Lead	mg/L	Yearly				0.014
Magnesium	mg/L	Quarterly	NT	NT	320	305
Manganese	mg/L	Yearly	INI	INT	520	0.243
Manganese	mg/L	Yearly				<0.0001
Nitrogen Oxides	mg/L	Yearly				0.01
Organochlorine pesticides	mg/L	Yearly				<
Organophosphate pesticides	mg/L	'				<lor <lor< td=""></lor<></lor
		Yearly	NT	NT	7.1	6.92
pH Phoenhote	pH	Quarterly	NT	NT	7.1	0.92 NT
Phosphate	mg/L	Yearly	NT	NT	0.50	
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.58	
Potassium	mg/L	Quarterly	NT	NT	<1	2.00
Salinity Sodium	mg/L	Quarterly	NT NT	NT NT	8470	
	mg/L	Quarterly			2400	2140.00
Sulfate	mg/L	Quarterly	NT	NT	293	298
Toluene	mg/L	Yearly				<0.002
Total chromium	mg/L	Yearly	NT		0740	0.016
Total dissolved solids	mg/L	Quarterly	NT	NT	9740	
Total organic carbon	mg/L	Yearly				<1
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<0.02
C10-C14	mg/L	Yearly				<0.05
C15-C28	mg/L	Yearly				<0.1
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				<0.05
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				0.051

Monitoring Point 8 - GWM3

Monitoring Point 8 - GWM3			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020	Nov 2020	10/02/2021	26/05/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency	Date Data Obtailleu	Date Data Obtailleu	Date Data Obtailleu	Date Data Obtailleu
			Sample Code	Sample Code	Sample Code	Sample Code
				Sample Code	ES2105056-003	ES2120298-003
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	542	539
Aluminium	mg/L	Yearly	141	141	542	6.17
Ammonia	mg/L	Quarterly	NT	NT	<0.01	<0.01
Arsenic	mg/L	Yearly			(0.01	0.002
Barium	mg/L	Yearly				0.101
Benzene	mg/L	Yearly				<0.01
Biochemical oxygen demand	mg/L	Yearly				10.01
Cadmium	mg/L	Yearly				<0.0001
Calcium	mg/L	Quarterly	NT	NT	112	131
Carbonate	mg/L	Quarterly	NT	NT	<1	<1
Chemical oxygen demand	mg/L	Yearly	111	INI	~1	NT
Chloride	mg/L	Quarterly	NT	NT	7220	6700
Chlorinated volatile compound	mg/L	Yearly	111	INI	7220	NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly				0.007
Conductivity	μS/cm	Quarterly	NT	NT	22200	19700
Copper	mg/L	Yearly	INI	INI	22200	0.007
Ethyl benzene	mg/L	Yearly				<0.007
Fluoride	mg/L	Yearly				<0.002
Lead	mg/L	Yearly				0.4
	mg/L	Quarterly	NT	NT	578	587
Magnesium Manganese	mg/L	Yearly	INI	INI	578	0.133
Marganese	mg/L	Yearly				<0.0001
Nitrogen Oxides	mg/L	Yearly				0.09
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor <lor< td=""></lor<></lor
pH	pH	Quarterly	NT	NT	7.18	7.11
Phosphate	mg/L	Yearly	INI	INI	7.10	7.11 NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.08	0.17
Potassium	mg/L	Quarterly	NT	NT	0.08	0.17
Salinity	mg/L	Quarterly	NT	NT	1340	1170
Sodium		Quarterly	NT	NT	3800	3470
Sulfate	mg/L	· · ·	NT	NT	594	598
Toluene	mg/L	Quarterly Yearly	NI	NI	594	<0.002
Total chromium	mg/L mg/L	Yearly				<0.002 NT
			NT	NT	15200	14000
Total dissolved solids	mg/L	Quarterly	NI	NI	15200	
Total organic carbon	mg/L	Yearly				<1 <0.02
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				
C10-C14 C15-C28	mg/L	Yearly				<0.05
	mg/L	Yearly				
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				<0.05
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				0.056

Monitoring Point 9 - GWM4

Monitoring Point 9 - GWM4			Data Compled	Data Campled	Data Compled	Data Compled
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020			
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Cample Cod-	Cample Cod-	Cample Cod-	Cample Carls
			Sample Code	Sample Code	Sample Code ES2105056-004	Sample Code ES2120298-004
Alkalinity (as calcium carbonata)	mg/l	Quartarly	NT	NT	ES2105056-004 95	
Alkalinity (as calcium carbonate) Aluminium	mg/L	Quarterly Yearly	INI	NT	95	7.39
Ammonia	mg/L mg/L	Quarterly	NT	NT	<0.01	<0.01
Arsenic	mg/L	Yearly	INI	INT	<0.01	0.002
Barium	mg/L	Yearly				0.13
Benzene	mg/L	Yearly				<0.01
Biochemical oxygen demand	mg/L	Yearly				<0.01
	-					0.0003
Cadmium Calcium	mg/L mg/L	Yearly Quarterly	NT	NT	22	27
Carbonate	mg/L	Quarterly	NT	NT	<1	<1
Chemical oxygen demand	mg/L	Yearly	N1	IN I	<1	NT
Chloride	mg/L	Quarterly	NT	NT	4200	3940
Chlorinated volatile compound	mg/L	Yearly		141	4200	NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly				0.054
Conductivity	μS/cm	Quarterly	NT	NT	12,300	11200
Copper	mg/L	Yearly		141	12,500	0.013
Ethyl benzene	mg/L	Yearly				<0.002
Fluoride	mg/L	Yearly				0.2
Lead	mg/L	Yearly				0.014
Magnesium	mg/L	Quarterly	NT	NT	323	319
Manganese	mg/L	Yearly	INT	INT	323	0.023
Mercury	mg/L	Yearly				<0.0001
Nitrogen Oxides	mg/L	Yearly				<0.001
Organochlorine pesticides	mg/L	Yearly				<0.01 <lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
pH	pH	Quarterly	NT	NT	6.36	
Phosphate	mg/L	Yearly			0.50	NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.08	
Potassium	mg/L	Quarterly	NT		<1	1
Salinity	mg/L	Quarterly	NT		7030	6360
Sodium	mg/L	Quarterly	NT	NT	1990	1820
Sulfate	mg/L	Quarterly	NT	NT	144	145
Toluene	mg/L	Yearly			111	<0.002
Total chromium	mg/L	Yearly				0.01
Total dissolved solids	mg/L	Quarterly	NT	NT	7980	
Total organic carbon	mg/L	Yearly				2
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<0.02
C10-C14	mg/L	Yearly				<0.05
C15-C28	mg/L	Yearly				<0.1
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				< 0.05
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				0.023

Monitoring Point 10 - GWM6

Monitoring Point 10 - GWM6			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020		11/02/2021	26/05/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
					ES2105056-006	
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	148	30
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	NT	NT	0.06	0.2
Arsenic	mg/L	Yearly				NT
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				NT
Biochemical oxygen demand	mg/L	Yearly				<2
Cadmium	mg/L	Yearly				NT
Calcium	mg/L	Quarterly	NT	NT	30	12
Carbonate	mg/L	Quarterly	NT	NT	<1	NT
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	NT	NT	76	
Chlorinated volatile compound	mg/L	Yearly				NT
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	μS/cm	Quarterly	NT	NT	577	172
Copper	mg/L	Yearly				NT
Ethyl benzene	mg/L	Yearly				NT
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				NT
Magnesium	mg/L	Quarterly	NT	NT	16	4
Manganese	mg/L	Yearly				NT
Mercury	mg/L	Yearly				< 0.0001
Nitrogen Oxides	mg/L	Yearly				NT
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	pH	Quarterly	NT	NT	7.00	6.71
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.04	<0.01
Potassium	mg/L	Quarterly	NT	NT	<1	2
Salinity	mg/L	Quarterly	NT	NT	280	172
Sodium	mg/L	Quarterly	NT	NT	71	14
Sulfate	mg/L	Quarterly	NT	NT	16	7
Toluene	mg/L	Yearly				NT
Total chromium	mg/L	Yearly				NT
Total dissolved solids	mg/L	Quarterly	NT	NT	460	112
Total organic carbon	mg/L	Yearly				NT
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				NT
Zinc	mg/L	Yearly				NT

Monitoring Point 11 - GWM7

Monitoring Point 11 - GWM7			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020 Date Data Obtained	Nov 2020 Date Data Obtained	10/02/2021 Date Data Obtained	26/05/2021 Date Data Obtained
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Cample Cade	Cample Cade	Cample Cade	Cample Cade
			Sample Code	Sample Code	Sample Code	Sample Code
Alledizity (as as bives as the sector)		Overterly	NT	NT	ES2105056-007	ES2120298-007
Alkalinity (as calcium carbonate) Aluminium	mg/L	Quarterly	NT	NT	176	176 9.21
Animinium Ammonia	mg/L	Yearly	NT	NT	<0.01	<0.01
	mg/L	Quarterly	INI	INI	<0.01	
Arsenic	mg/L	Yearly				0.05
Barium	mg/L	Yearly				0.281
Benzene	mg/L	Yearly				
Biochemical oxygen demand	mg/L	Yearly				2
Cadmium	mg/L	Yearly	NT	NT	50	0.003
Calcium	mg/L	Quarterly	NT	NT	58	78
Carbonate	mg/L	Quarterly	NT	NT	<1	<1
Chemical oxygen demand	mg/L	Yearly			2720	NT
Chloride	mg/L	Quarterly	NT	NT	3730	3700
Chlorinated volatile compound	mg/L	Yearly				NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly				0.007
Conductivity	μS/cm	Quarterly	NT	NT	11,100	10600
Copper	mg/L	Yearly	-			0.012
Ethyl benzene	mg/L	Yearly				<0.002
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.016
Magnesium	mg/L	Quarterly	NT	NT	221	252
Manganese	mg/L	Yearly				0.535
Mercury	mg/L	Yearly				<0.0001
Nitrogen Oxides	mg/L	Yearly				<0.01
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	рН	Quarterly	NT	NT	6.60	6.51
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.43	
Potassium	mg/L	Quarterly	NT	NT	<1	<1
Salinity	mg/L	Quarterly	NT	NT	6300	5990
Sodium	mg/L	Quarterly	NT	NT	1850	1710
Sulfate	mg/L	Quarterly	NT	NT	108	122
Toluene	mg/L	Yearly				<0.002
Total chromium	mg/L	Yearly				0.012
Total dissolved solids	mg/L	Quarterly	NT	NT	7580	7660
Total organic carbon	mg/L	Yearly				<1
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<0.02
C10-C14	mg/L	Yearly				<0.05
C15-C28	mg/L	Yearly				<0.1
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				<0.05
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				0.023

Monitoring Point 12 - GWM8

Monitoring Point 12 - GWM8			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020	Nov 2020	10/02/2021	26/05/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency	Dute Duta Obtained			
			Sample Code	Sample Code	Sample Code	Sample Code
					ES2105056-008	ES2120298-008
Alkalinity (as calcium carbonate)	mg/L	Quarterly	NT	NT	445	357
Aluminium	mg/L	Yearly				5.15
Ammonia	mg/L	Quarterly	NT	NT	0.03	0.06
Arsenic	mg/L	Yearly				0.002
Barium	mg/L	Yearly				0.17
Benzene	mg/L	Yearly				<0.01
Biochemical oxygen demand	mg/L	Yearly				<2
Cadmium	mg/L	Yearly				0.0002
Calcium	mg/L	Quarterly	NT	NT	127	115
Carbonate	mg/L	Quarterly	NT	NT	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	NT	NT	5330	4820
Chlorinated volatile compound	mg/L	Yearly				NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly				0.065
Conductivity	μS/cm	Quarterly	NT	NT	16,800	14000
Copper	mg/L	Yearly				0.01
Ethyl benzene	mg/L	Yearly				<0.002
Fluoride	mg/L	Yearly				0.5
Lead	mg/L	Yearly				0.006
Magnesium	mg/L	Quarterly	NT	NT	389	326
Manganese	mg/L	Yearly				1.62
Mercury	mg/L	Yearly				<0.0001
Nitrogen Oxides	mg/L	Yearly				0.01
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	рН	Quarterly	NT	NT	7.30	6.95
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.04	0.12
Potassium	mg/L	Quarterly	NT	NT	2	4
Salinity	mg/L	Quarterly	NT	NT	9860	
Sodium	mg/L	Quarterly	NT	NT	2930	2280
Sulfate	mg/L	Quarterly	NT	NT	257	283
Toluene	mg/L	Yearly				<0.002
Total chromium	mg/L	Yearly				0.006
Total dissolved solids	mg/L	Quarterly	NT	NT	10800	9680
Total organic carbon	mg/L	Yearly				9
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<0.02
C10-C14	mg/L	Yearly				<0.05
C15-C28	mg/L	Yearly				<0.1
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				<0.05
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				0.078

Monitoring Point 13 - GWM9

Monitoring Point 13 - GWM9			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug 2020	Nov 2020	10/02/2021	26/05/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	Monitoring frequency	Date Data Obtailleu	Date Data Obtailleu	Date Data Obtailleu	Date Data Obtained
			Comple Code	Sampla Coda	Comple Code	Cample Code
			Sample Code	Sample Code	Sample Code ES21056-009	Sample Code ES2120298-009
Alkalinity (as calcium carbonate)	mg/l	Quartarly	NT	NT	644	E32120298-009 141
Aluminium	mg/L	Quarterly Yearly	INI	INI	044	25.3
Ammonia	mg/L	Quarterly	NT	NT	0.05	0.74
Arsenic	mg/L mg/L	Yearly	INI		0.03	0.009
Barium Benzene	mg/L	Yearly				0.295
	mg/L	Yearly				<0.01
Biochemical oxygen demand	mg/L	Yearly				2
Cadmium	mg/L	Yearly	NT	NT	110	0.0003
Calcium	mg/L	Quarterly			116	16
Carbonate	mg/L	Quarterly	NT	NT		<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	NT	NT	6140	732
Chlorinated volatile compound	mg/L	Yearly				NT
Chromium (hexavalent)	mg/L	Yearly				<0.01
Cobalt	mg/L	Yearly			40.400	0.072
Conductivity	μS/cm	Quarterly	NT	NT	19,400	2710
Copper	mg/L	Yearly	-			0.033
Ethyl benzene	mg/L	Yearly				<0.002
Fluoride	mg/L	Yearly				0.4
Lead	mg/L	Yearly				0.077
Magnesium	mg/L	Quarterly	NT	NT	381	41
Manganese	mg/L	Yearly				0.743
Mercury	mg/L	Yearly				<0.0001
Nitrogen Oxides	mg/L	Yearly				0.03
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	рН	Quarterly	NT	NT	7.43	7.14
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	NT	NT	0.68	2.04
Potassium	mg/L	Quarterly	NT	NT	5	
Salinity	mg/L	Quarterly	NT	NT	1150	
Sodium	mg/L	Quarterly	NT	NT	3590	423
Sulfate	mg/L	Quarterly	NT	NT	366	60
Toluene	mg/L	Yearly				<0.002
Total chromium	mg/L	Yearly				0.039
Total dissolved solids	mg/L	Quarterly	NT	NT	12100	1740
Total organic carbon	mg/L	Yearly				8
Total petroleum hydrocarbons C6-C9	mg/L	Yearly				<0.02
C10-C14	mg/L	Yearly				<0.05
C15-C28	mg/L	Yearly				<0.1
C29-C36	mg/L	Yearly				<0.05
C10-C36 (Sum)	mg/L	Yearly				<0.05
Total Phenolics	mg/L	Yearly				<0.05
Xylene	mg/L	Yearly				<0.002
Zinc	mg/L	Yearly				1.49

Polluntant Monitoring - Correction Log

EPL No: 5293

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