Hawkesbury Waste Management Facility - Yearly Summary for 2021/2022

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



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Monitoring Point 14 - BH1

Pollutant	Unit	Monitoring Frequency	Date Sampled					
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy		1.7	3	13	9.3	0.7
Methane	% v/v	Monthy		0	0	0	0	0

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	2.7	0.7	0.3	1.5	13.7	4.5
Methane	% v/v	Monthy	0	0	0	0.1	2.5	0.9

Monitoring Point 15 - BH2

			Date Sampled	Date Sampled
			11/11/2021	24/05/2022
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained
Fondtant		womening rrequency		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	5.5	0.6
Methane	% v/v	Every 6 Months	0	0

Monitoring Point 16 - BH3

			Date Sampled	Date Sampled
	Unit		11/11/2021	24/05/2022
Pollutant		Monitoring Frequency	Date Obtained	Date Obtained
Foliatant		womening rrequency		
			Sample Code	Sample Code
Carbon Dioxide	% v/v	Every 6 Months	3.2	1.4
Methane	% v/v	Every 6 Months	0	0

Monitoring Point 17 - BH4

			Date Sampled	Date Sampled
			11/11/2021	24/05/2022
Dollutant	Unit	Monitoring Fraguency	Date Obtained	Date Obtained
Poliutant		womenty		
			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	Unit		Date Sampled					
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021
		Monitoring Frequency	Date Obtained					
		Monitoring Frequency						
			Sample Code					
Carbon Dioxide	% v/v	Monthy		21	2.1	0.6	0.1	0.5
Methane	% v/v	Monthy		11.8	0.4	0	0	0

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0.1	0.1	1	0.6	10.3	3.4
Methane	% v/v	Monthy	0	0	0	0	10	7.5

Monitoring Point 19 - BH6

Pollutant	Unit		Date Sampled					
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021
		Monitoring Frequency	Date Obtained					
		Monitoring Frequency						
			Sample Code					
Carbon Dioxide	% v/v	Monthy		7	7	29.8	23.2	15.2
Methane	% v/v	Monthy		0.2	5.9	27.1	18.1	10.1

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	0	0	1.3	1.2	30.4	17.6
Methane	% v/v	Monthy	0	0	0	0.1	44	35.1

Monitoring Point 20 - G1

Pollutant		Monitoring Frequency	Date Sampled					
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021
	Unit		Date Obtained					
	Onit							
			Sample Code					
Carbon Dioxide	% v/v	Monthy		NT	0	4.2	3.1	2.1
Methane	% v/v	Monthy		NT	0	0	0	0

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy	9.3	1.2	0.2	0.3	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	
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021	
	11010	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	
		Monitoring Frequency							
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	
Carbon Dioxide	% v/v	Monthy	Wall not installed						
Methane	% v/v	Monthy	ven not installed						

Waste Managment Facility - 5293

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane % v/v Monthy			ven not instanea					

Point 22 - Gas3

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
				11/08/2021 3/09/2021 27/10/2023		27/10/2021	11/11/2021	14/12/2021
Pollutant	Unit	Monitoring Frequency	Date Obtained	Date Obtained	Date Obtained	Obtained Date Obtained	Date Obtained	Date Obtained
	Unit	womtoring Frequency						
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide % v/v		Monthy			Wall not	installed		
Methane	% v/v	Monthy	ven not installed					

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane % v/v Monthy		wen not installed						

Point 23 - Gas4

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021 3/09/2021 27/10/20	27/10/2021	11/11/2021	14/12/2021		
Pollutant	Linit	Monitoring Frequency	Date Obtained	Date Obtained Date Obtained Date Obtained Date Obtained	Date Obtained	Date Obtained		
	Unit	womtoring Frequency						
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	n Dioxide % v/v Monthy				Wall not	installed		
Methane	% v/v	Monthy	wen not instaned					

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Well not	installed		
Methane % v/v Monthy								

Point 24- Gas 6

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
Pollutant				11/08/2021 3/09/2021 27/10/202		27/10/2021	11/11/2021	14/12/2021
	11		Date Obtained	Date Obtained	Obtained Date Obtained Date Obtained		Date Obtained	Date Obtained
	Unit	Monitoring Frequency						
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane	% v/v	Monthy	wen not mstaned					

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane % v/v Monthy								

Point 25 - Gas interception trench

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021
Pollutant	Unit	Monitoring Frequency	Date Obtained Date Obtained Date Obtained Date Obtained	Date Obtained	Date Obtained	Date Obtained		
	Onit	information ing frequency						
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane	% v/v	Monthy	wen not installed					

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy			Wall not	installed		
Methane % v/v Monthy			wen not instanea					

RW1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled	Date Sampled
				11/08/2021	3/09/2021	27/10/2021	11/11/2021	14/12/2021
Pollutant			Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained	Date Obtained
	Unit	Monitoring Frequency						
			Sample Code	Sample Code	Sample Code	Sample Code	Sample Code	Sample Code
Carbon Dioxide	% v/v	Monthy	Well not installed					
Methane	% v/v	Monthy						

			Date Sampled					
			20/01/2022	9/02/2022	1/03/2022	1/04/2022	24/05/2022	29/06/2022
			Date Obtained					
			Sample Code					
Carbon Dioxide % v/v Monthy					Wall not	installed		
Methane	% v/v	Monthy	ĺ		wennot	IIIstulleu		

Monitoring Point 26 - Surface Methane

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Aug-21	Nov-21	Feb-22	May-22
Pollutant	Unit	Monitoring	Date Obtained	Date Obtained	Date Obtained	Date Obtained
Pollutalit	Unit	Frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
			0.12 to 1			
			(3 samplng	0.05 to 0.08 (2		
			points refer to	sampling points		
Methane	% v/v	Quarterly	notes)	refer to notes)	<0.05%	<0.05%

Monitoring Point 2 - DGA

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26/05/2021	11/08/2021	10/11/2021	9/02/2022
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			11/08/2021	10/11/2021	9/02/2022	24/05/2022
			Sample Code	Sample Code	Sample Code	Sample Code
			EN2107091-001	EN2110082-001		
Particultes deposited Matter	g/m^2/month	Quarterly	NT	NT	NT	NT

Monitoring Point 3 - DGB

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26/05/2021	11/08/2021	10/11/2021	9/02/2022
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			11/08/2021	10/11/2021	9/02/2022	24/05/2022
			Sample Code	Sample Code	Sample Code	Sample Code
			EN2107091-002	EN2110082-002		
Particultes deposited Matter	g/m^2/month	Quarterly	NT	NT	NT	NT

Monitoring Point 4 - DGC

Pollutant	Unit	Monitoring Frequency	Start Date	Start Date	Start Date	Start Date
			26/05/2021	11/08/2021	10/11/2021	9/02/2022
			Data Collection Date	Data Collection Date	Data Collection Date	Data Collection Date
			11/08/2021	10/11/2021	9/02/2022	24/05/2022
			Sample Code	Sample Code	Sample Code	Sample Code
			EN2107091-003	EN2110082-003		
Particultes deposited Matter	g/m^2/month	Quarterly	NT	NT	NT	NT

Monitoring Point 1 - LCH

			Data Canadad	Data Canadad	Data Canadad	Data Canadad
		H H	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2021 Data Data Obtained	9/02/2022	25/05/2022 Data Data Obtained
Pollutant	Unit	Monitoring Frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			44425	Campala Cada	Cample Cade	Comple Code
			Sample Code			
Allerligity (as as laives as the same a		Questarlu	36222011.009	32223703.009	SEZ26721.009	SE232475.009
Aluminity (as calcium carbonate)	mg/L	Quarteriy	160	2200	1100	640
Arconic	mg/L	Yearly				0.010
Arsenic	mg/L	Yearly				0.019
Barium	mg/L	Yearly				0.010
Benzene	mg/L	Yearly				0.013
Biochemical oxygen demand	mg/L	Yearly				.0.0001
	mg/L	Yearly				<0.0001
	mg/L	Quarterly	30	50	34	18
Chemical oxygen demand	mg/L	Yearly	010	1200	620	NI (170
	mg/L	Quarterly	910	1200	620	1/0
Chromium (nexavalent)	mg/L	Yearly				NI
Cobalt	mg/L	Yearly	C 004			NI
Conductiviy	μS/cm	Quarterly	6,201	NI	NI	NI
Copper	mg/L	Yearly				0.005
Ethyl benzene	mg/L	Yearly				0.6
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.001
Magnesium	mg/L	Quarterly	77	120	70	19
Manganese	mg/L	Yearly				NT
Mercury	mg/L	Yearly				<0.0001
Nitrate	mg/L	Quarterly	0.017	<0.05	< 0.05	<0.005
Nitrite	mg/L	Quarterly	<0.005	<0.005	0.7	<0.005
Nitrogen (ammonia)	mg/L	Quarterly	NT	NT	NT	190
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Orgnochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	рН	Quarterly	NT	NT	NT	NT
Phosphate	mg/L	Yearly				NT
Phosphorus (total)	mg/L	Quarterly	3.2	5.8	2.2	1.5
Potassium	mg/L	Quarterly	140	170	120	56
Sodium	mg/L	Quarterly	800	1300	730	190
Sulfate	mg/L	Quarterly	3.5	9.5	8.5	2.4
Toluene	mg/L	Yearly				<0.5
Total chromium	mg/L	Yearly				0.016
Total dissolved solids	mg/L	Quarterly	4200	4300	2600	740
Total Iron	mg/L	Yearly				2.5
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				<0.05
Xylene	mg/L	Yearly				4.5
Zinc	mg/L	Yearly				0.024

Monitoring Point 5 - SW1

		Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2021	9/02/2022	25/05/2022
Pollutant	Linit		Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Poliutant						
			Sample Code	Sample Code	Sample Code	Sample Code
			SE222611.010	SE225763.010	SE228721.010	SE232475.011
Alkalinity (as calcium carbonate)	mg/L	Quarterly	190	24	66	270
Ammonia	mg/L	Quarterly	0.04	0.04	0.14	7.4
Biochemical oxygen demand	mg/L	Quarterly	<5	<5	<5	6
Sulfate	mg/L	Quarterly	34	210	100	NT
Total Phenolics	mg/L	Yearly				NT

Monitoring Point 6 - GWM1

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Fondtant		informed in equency				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.001	SE225763.001	SE228721.001	SE232475.001
Alkalinity (as calcium carbonate)	mg/L	Quarterly	260	280	270	280
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	<0.05	<0.05	<0.05	<0.05
Arsenic	mg/L	Yearly				0.002
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				< 0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				< 0.0001
Calcium	mg/L	Quarterly	96	95	94	90
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	4500	4200	4300	4400
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	μS/cm	Quarterly	11000	11000		10000
Copper	mg/L	Yearly				0.005
Ethyl benzene	mg/L	Yearly				< 0.0005
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.006
Magnesium	mg/L	Quarterly	330	320	330	310
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	pН	Quarterly	NT	NT	NT	NT
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	1.2	0.12	0.21	0.25
Potassium	mg/L	Quarterly	5.3	3.2	2.6	4.6
Salinity	mg/L	Quarterly	7500	7000		660000000
Sodium	mg/L	Quarterly	2100	2300	2200	2000
Sulfate	mg/L	Quarterly	300	280	290	290
Toluene	mg/L	Yearly				< 0.0005
Total chromium	mg/L	Yearly				0.005
Total dissolved solids	mg/L	Quarterly	7700	8600	8200	7800
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				<0.05
Xylene	mg/L	Yearly				< 0.0015
Zinc	mg/L	Yearly				0.029

Monitoring Point 7 - GWM2

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2021	9/02/2022	25/05/2022
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Fondtant		womening requercy				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.002	SE225763.002	SE228721.002	SE232475.002
Alkalinity (as calcium carbonate)	mg/L	Quarterly	290	310	300	310
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	<0.05	<0.05	<0.05	<0.05
Arsenic	mg/L	Yearly				0.004
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				< 0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0002
Calcium	mg/L	Quarterly	110	120	110	110.00
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	5000	4800	4500	4800
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	uS/cm	Quarterly	13000	13000	NT	11000
Copper	mg/L	Yearly				0.006
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.008
Magnesium	mg/l	Quarterly	320	310	320	300
Manganese	mg/l	Yearly	020	010	010	NT
Mercury	mg/l	Yearly				<0.0001
Nitrogen Oxides	mg/l	Yearly				NT
Organochlorine pesticides	mg/l	Yearly				<1 OR
Organophosphate pesticides	mg/l	Yearly				<1.08
nH	nH	Quarterly	NT	NT	NT	NT
Phosphate	mg/I	Yearly				NT
Phosphorus (Total)	mg/l	Quarterly	1.1	1.1	0.44	0.71
Potassium	mg/l	Quarterly	5.2	2.5	1.00	1 90
Salinity	mg/l	Quarterly	8300	8500	2.00	710000000
Sodium	mg/l	Quarterly	2300	2500	2400	2300.00
Sulfate	mg/l	Quarterly	300	290	280	290
Toluene	mg/l	Yearly			200	<0.0005
Total chromium	mg/l	Yearly				0.012
Total dissolved solids	mg/l	Quarterly	8600	9300	8800	8700
Total organic carbon	mg/l	Yearly				NT
Total petroleum hydrocarbons C6-C9	mg/l	Vearly				NT
	mg/l	Yearly				NT
C15-C28	mg/l	Yearly				NT
C29-C36	mg/l	Yearly				NI
C10-C36 (Sum)	mg/L	Yearly				NT
Total Phenolics	mg/l	Yearly				<0.05
Yvlene	mg/L	Vearly				<0.03
Zinc	mg/L	Yearly				0.0013
	1					0.032

Monitoring Point 8 - GWM3

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Dellutant	Linit	Monitoring froquency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant		womening requercy				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.003	SE225763.003	SE228721.003	SE232475.003
Alkalinity (as calcium carbonate)	mg/L	Quarterly	450	500	520	500
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	<0.05	<0.05	<0.05	<0.05
Arsenic	mg/L	Yearly				0.008
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0002
Calcium	mg/L	Quarterly	130	130	110	110
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	8000	7700	7600	7300
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	μS/cm	Quarterly	19000	20000	NT	16000
Copper	mg/L	Yearly				0.022
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.019
Magnesium	mg/L	Quarterly	620	670	550	530
Manganese	mg/L	Yearly				NT
Mercury	mg/L	Yearly				< 0.0003
Nitrogen Oxides	mg/L	Yearly				NT
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
pH	pH	Quarterly	NT	NT	NT	NT
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	0.2	0.57	0.39	0.47
Potassium	mg/L	Quarterly	4.4	3.6	2.6	5
Salinity	mg/L	Quarterly	12000	13000		10000
Sodium	mg/L	Quarterly	3700	4300	3300	3300
Sulfate	mg/L	Quarterly	590	590	570	550
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly				0.021
Total dissolved solids	mg/L	Quarterly	14000	15000	15000	13000
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				<0.05
Xvlene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.091

Monitoring Point 9 - GWM4

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Dellutant	Linit	Manitaring fragmanay	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	wonitoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.004	SE225763.004	SE228721.004	SE232475.004
Alkalinity (as calcium carbonate)	mg/L	Quarterly	95	90	96	93
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	<0.01	<0.005	<0.05	<0.05
Arsenic	mg/L	Yearly				0.003
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0002
Calcium	mg/L	Quarterly	22	22	23	21
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/l	Quarterly	4200	4000	3900	4200
Chlorinated volatile compound	mg/l	Yearly				<1.08
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/l	Yearly				NT
Conductivity	uS/cm	Quarterly	12.300	11.000		9400
Copper	mg/l	Yearly				0.012
Ethyl benzene	mg/l	Yearly				<0.0005
Fluoride	mg/L	Yearly				NT
Lead	mg/l	Yearly				0.09
Magnesium	mg/l	Quarterly	323	320	330	310
Manganese	mg/l	Yearly	010	520		NT
Mercury	mg/l	Yearly				<0.0001
Nitrogen Oxides	mg/l	Yearly				NT
Organochlorine pesticides	mg/l	Yearly				<i or<="" td=""></i>
Organophosphate pesticides	mg/l	Yearly				<1.0R
nH	nH	Quarterly	NT	NT	NT	NT
Phosphate	mg/l	Yearly				NT
Phosphorus (Total)	mg/l	Quarterly	0.08	0.19	0.16	0.3
Potassium	mg/l	Quarterly	<1	0.8	0.6	1.1
Salinity	mg/L	Quarterly	nt	7400	0.0	6100
Sodium	mg/l	Quarterly	1990	2100	2000	1900
Sulfate	mg/l	Quarterly	144	150	150	150
Toluene	mg/l	Yearly		100	100	<0.0005
Total chromium	mg/l	Yearly				0.012
Total dissolved solids	mg/l	Quarterly	7980	8400	7700	7500
Total organic carbon	mg/l	Yearly		0.00		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/I	Yearly				NT
C10-C36 (Sum)	mg/L	Yearly				NIT
Total Phenolics	mg/I	Yearly	<0.05			NT
Xylene	mg/l	Yearly	<0.05			
Zinc	mg/L	Yearly	0.0013			NT
	1		0.022			

Monitoring Point 10 - GWM6

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Pollutant	Unit	Monitoring froquency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Polititant		womening frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.006	SE225763.006	SE228721.005	SE232475.005
Alkalinity (as calcium carbonate)	mg/L	Quarterly	170	160	140	240
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	0.28	0.24	0.05	0.8
Arsenic	mg/L	Yearly				0.004
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				< 0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0001
Calcium	mg/L	Quarterly	90	140	24	63
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	1200	1500	160	680
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	μS/cm	Quarterly	5,900	4,800	NT	2100
Copper	mg/L	Yearly				0.017
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.044
Magnesium	mg/L	Quarterly	120	160	19	46
Manganese	mg/L	Yearly				NT
Mercury	mg/L	Yearly				<0.0008
Nitrogen Oxides	mg/L	Yearly				NT
Organochlorine pesticides	mg/L	Yearly				<lor< td=""></lor<>
Organophosphate pesticides	mg/L	Yearly				<lor< td=""></lor<>
рН	pН	Quarterly	NT	NT	NT	NT
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	0.86	0.03	1.1	3.4
Potassium	mg/L	Quarterly	5.6	5.5	0.6	0.7
Salinity	mg/L	Quarterly	3800	3100		1300
Sodium	mg/L	Quarterly	510	610	73	170
Sulfate	mg/L	Quarterly	53	53	23	42
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly				0.02
Total dissolved solids	mg/L	Quarterly	4900	3400	510	1400
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	<0.05			NT
Xylene	mg/L	Yearly	<0.0015			NT
Zinc	mg/L	Yearly	0.085			NT

Monitoring Point 11 - GWM7

			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Dellutant	Unit	Monitoring froquency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant	Unit	womcoring frequency				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.007	SE225763.007	SE228721.006	SE232475.006
Alkalinity (as calcium carbonate)	mg/L	Quarterly	150	180	190	250
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	<0.05	<0.01	0.02	0.04
Arsenic	mg/L	Yearly				0.002
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0004
Calcium	mg/L	Quarterly	73	52	45	50
Carbonate	mg/L	Quarterly	NT	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	4000	3500	3300	3800
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/l	Yearly				NT
Conductivity	uS/cm	Quarterly	10.000	10.000	NT	8800
Copper	mg/l	Yearly				0.05
Ethyl benzene	mg/l	Yearly				<0.0005
Eluoride	mg/l	Yearly				NT
Lead	mg/l	Yearly				0.03
Magnesium	mg/l	Quarterly	270	200	190	200
Magnese	mg/l	Yearly	270	200	150	NT
Mercury	mg/l	Yearly				<0.0001
Nitrogen Ovides	mg/l	Vearly				10.0001 NT
Organochlorine nesticides	mg/l	Yearly				
Organophosphate pesticides	mg/l	Yearly				
nH	nH	Quarterly	NT	NT	NT	NT
Phosphate	mg/l	Vearly		141	111	NT
Phosphorus (Total)	mg/L	Quarterly	0.22	0.09	0.2	0.12
Potassium	mg/L	Quarterly	2.1	0.05	0.2	1 2
Salinity	mg/L	Quarterly	6700	6600	0:4 NT	5700
Sodium	mg/L	Quarterly	1800	2000	2000	1800
Sulfate	mg/L	Quarterly	130	110	100	140
Toluene	mg/L	Vearly	150	110	100	<0.0005
Total chromium	mg/L	Vearly				0.0003
Total dissolved solids	mg/L	Quarterly	6900	7000	6700	6700
Total organic carbon	mg/l	Vearly	0500	7000	0/00	0/00
Total petroleum hydrocarbons C6-C9	mg/L	Vearly				NT
	mg/L	Vearly				NT
C15-C28	mg/L	Vearly				NT
C19-C26	mg/L	Vearly				
C10-C36 (Sum)	mg/L	Vearly				
Total Phenolics	mg/L	Vearly				
Yulana	mg/L	Vearly				<0.05 <0.001E
Zinc	mg/L	Vearly				0.0015
2000	1111B/ L	rearry				0.023

Monitoring Point 12 - GWM8

	1	1				
			Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Pollutant	Unit	Monitoring frequency	Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
i ondtant		internet including				
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.008	SE225763.008	SE228721.007	SE232475.007
Alkalinity (as calcium carbonate)	mg/L	Quarterly	410	440	440	370
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	<0.05	<0.05	<0.05	0.4
Arsenic	mg/L	Yearly				0.026
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				<0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0002
Calcium	mg/L	Quarterly	120	130	130	110
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	5700	5300	5500	4300
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	uS/cm	Quarterly	15.000	15.000	NT	9600
Copper	mg/I	Yearly				0.012
Ethyl benzene	mg/l	Yearly				<0.0012
Eluoride	mg/l	Yearly				NT
Lead	mg/l	Yearly				0.022
Magnesium	mg/l	Quarterly	370	390	/10	270
Magnesian	mg/L	Vearly	570	550	410	270 NT
Mercury	mg/l	Vearly				<0.0001
Nitrogen Ovides	mg/L	Vearly				<0.0001 NT
Organochlorine nesticides	mg/L	Vearly				
Organophosphate pesticides	mg/l	Vearly				
nH	nH	Quarterly	NT	NT	NT	
Phosphate	mg/I	Vearly		111		NT
Phospharus (Total)	mg/L	Quarterly	0.15	0.97	0.11	0.54
Potassium	mg/L	Quarterly	0.13	0.87 E 7	0.11 E 1	0.54
Salinity	mg/L	Quarterly	9600	10000	5.1	63000
Sodium	mg/L	Quarterly	3000	3100	3000	1900
Sulfate	mg/L	Quarterly	2800	240	270	1300
Toluene	mg/L	Vearly	230	240	270	<0.0005
Total chromium	mg/L	Voarly				0.0003
Total dissolved solids	mg/L	Quarterly	10000	11000	11000	7600
Total argania carbon	mg/L	Veerly	10000	11000	11000	7000
Total organic carbon	mg/L	Yearly				
C10 C14	mg/L	Vearly				
C10-C14 C15_C29	mg/L	Veerly				
C10-C20	mg/L	Veerly				NI NI
(10, C26 (Sum)	mg/L	Veerly				NI NI
Total Departies	mg/L	Veerly				NI
	mg/L	Yearly				<0.05
Xyiene	mg/L	rearly				<0.0015
ZINC	Img/L	rearly				1.2

Monitoring Point 13 - GWM9

	Unit	Monitoring frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			11/08/2021	11/10/2012	9/02/2022	25/05/2022
Dellutent			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Pollutant						
			Sample Code	Sample Code	Sample Code	Sample Code
			SE22261.009	SE225763.009	SE228721.008	SE232475.008
Alkalinity (as calcium carbonate)	mg/L	Quarterly	160	190	260	160
Aluminium	mg/L	Yearly				NT
Ammonia	mg/L	Quarterly	0.05	0.17	0.27	0.86
Arsenic	mg/L	Yearly				0.01
Barium	mg/L	Yearly				NT
Benzene	mg/L	Yearly				< 0.0005
Biochemical oxygen demand	mg/L	Yearly				NT
Cadmium	mg/L	Yearly				0.0003
Calcium	mg/L	Quarterly	12	26	21	8.7
Carbonate	mg/L	Quarterly	<1	<1	<1	<1
Chemical oxygen demand	mg/L	Yearly				NT
Chloride	mg/L	Quarterly	760	1800	1900	360
Chlorinated volatile compound	mg/L	Yearly				<lor< td=""></lor<>
Chromium (hexavalent)	mg/L	Yearly				NT
Cobalt	mg/L	Yearly				NT
Conductivity	μS/cm	Quarterly	2,700	3,400		1300
Copper	mg/L	Yearly				0.035
Ethyl benzene	mg/L	Yearly				<0.0005
Fluoride	mg/L	Yearly				NT
Lead	mg/L	Yearly				0.52
Magnesium	mg/L	Quarterly	34	67	58	13
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<>
pH	pH	Quarterly	NT	NT	NT	NT
Phosphate	mg/L	Yearly				NT
Phosphorus (Total)	mg/L	Quarterly	0.53	2.5	1.9	1.9
Potassium	mg/L	Quarterly	9.2	9.4	5.1	7.7
Salinity	mg/L	Quarterly	1700	2200		820
Sodium	mg/L	Quarterly	480	1100	1100	270
Sulfate	mg/L	Quarterly	60	110	110	16
Toluene	mg/L	Yearly				<0.0005
Total chromium	mg/L	Yearly				0.042
Total dissolved solids	mg/L	Quarterly	1400	1900	4500	760
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				<0.05
Xylene	mg/L	Yearly				<0.0015
Zinc	mg/L	Yearly				0.9

Polluntant Monitoring - Correction Log

EPL No: 5293

Sample Point	Pollutant	Sample Date and Time	Original Data	Corrected Data	Data Corrected	Date Originally Published
Monitoring Point 26	Methane	2021-2022	-	Refer to table.	Jul-24	Data not originally published.

Monitoring Point 26

Reporting Year	Monitoring Date	ethane Concentration (ppm)	%	GPS Coordinates		Comments	
		Σ		Southing	Easting		
	Aug-21	10,000	1.00	33°37′46″	150°46′27″	Eastern boundary. Evidence of vegetaion stress.	
		1,000	0.10	33°37′46″	150 <i>°</i> 46′28″	Eastern boundary. Evidence of vegetaion stress.	
2021		1,200	0.12	33°37′53″	150 <i>°</i> 46′35″	Near grove of trees along eastern boundary. Evidence of vegetaion stress.	
	Nov-21	760	0.08	33°37′46″	150 <i>° 46′27″</i>	Eastern boundary. Evidence of vegetaion stress.	
		545	0.05	33°37′46″	150° 46′28″	Eastern boundary. Evidence of vegetaion stress.	
2022	Feb-22	<500	<0.05%	N/A	N/A	N/A	
	May-22	<500	<0.05%	N/A	N/A	IN/A	