

Pollutant Monitoring Results - Subsurface Gas

EPL No:	4885
Entity Name:	Enviroguard Pty Ltd
Site:	4 Quarry Road, Erskine Park NSW
Monitoring Frequency:	Quarterly
Link to NSW EPA Register:	Click here

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	Date Uploaded	Date Monitoring Data Obtained	Date Monitored	Methane (CH4)	Carbon Dioxide (CO2)	Oxygen (O2)	Balance (% v/v)	Flow	Depth to water	Is flow representative? *	Comments
				Post-purge	Post-purge	Post-purge	Post-purge	L/hr	mBGL	Y/N	
GS1 (EPA ID 23)			01-Oct-24	8.5	20	1.1	70.4	-	-	-	Weekly monitoring - well not gauged
			10-Oct-24	7.5	18.8	1.8	-	-	-	-	Weekly monitoring - well not gauged
			16-Oct-24	5.1	17.1	2	-	-0.5	7.3	-	Monthly monitoring
			18-Oct-24	6	15.2	5.5	73.4	-	-	-	Weekly monitoring - well not gauged, pump failure
			21-Oct-24	5.8	16.5	4.8	72.9	-0.1	-	-	Weekly monitoring - well not gauged
			30-Oct-24	6.4	18.1	3	72.5	0.1	-	-	Weekly monitoring - well not gauged
			07-Nov-24	6.1	18.1	3.9	72	0.4	-	-	Weekly monitoring - well not gauged
			15-Nov-24	5.7	18.5	3.5	72.2	0.5	-	-	Weekly monitoring - well not gauged
			18-Nov-24	5.8	18.7	2.5	73	0.7	-	-	Weekly monitoring - well not gauged
			29-Nov-24	5.2	17.5	2	-	0	8.16	-	Monthly monitoring
			27-Nov-24	5.6	19.4	1.9	73.1	0.6	-	-	Weekly monitoring - well not gauged
			06-Dec-24	5.1	12.2	7.2	77.5	0.7	-	-	Weekly monitoring - well not gauged
			13-Dec-24	5.3	16.7	3.1	75	0.5	-	-	Weekly monitoring - well not gauged
			18-Dec-24	6.2	18.7	2.1	73	0.4	-	-	Weekly monitoring - well not gauged
			19-Dec-24	5.8	17	1.8	-	0.5	-	-	Monthly monitoring
			19-Jan-25	6.4	19.8	1.2	72.6	0.6	8.22	-	Weekly monitoring - well not gauged
			17-Jan-25	6.6	20.4	0.9	72.1	0.6	-	-	Weekly monitoring - well not gauged
			23-Jan-25	6.8	20.1	1	72.1	0.6	-	-	Weekly monitoring - well not gauged
	14-Feb-25	13-Feb-25	30-Jan-25	6.1	18.1	1.2	-	0.2	-	-	Monthly monitoring - well not gauged
	05-Feb-25	31-Jan-25	31-Jan-25	6.9	21	0.8	71.3	0.9	-	-	Weekly monitoring - well not gauged
	07-Feb-25	07-Feb-25	07-Feb-25	7	20.7	1	71.3	0.6	8.1	-	Weekly monitoring
	14-Feb-25	12-Feb-25	12-Feb-25	4.3	12	8.3	75.4	0.3	8.39	-	Weekly monitoring
	07-Mar-25	19-Feb-25	19-Feb-25	4	10.5	10.3	75.2	0.2	8.21	-	Weekly monitoring
	20-Mar-25	19-Mar-25	28-Feb-25	4.4	11.8	6.3	77.5	0	7.43	Yes	Monthly monitoring
	11-Mar-25	07-Mar-25	07-Mar-25	1.7	4.7	15.7	77.3	0	8.29	-	Weekly monitoring
	20-Mar-25	13-Mar-25	13-Mar-25	0.8	2.9	18	78.3	0.5	7.45	-	Weekly monitoring
	20-Mar-25	17-Mar-25	17-Mar-25	1.8	6	14	78.1	0	8.27	-	Weekly monitoring
	06-May-25	01-May-25	26-Mar-25	4.2	13	6.2	76.6	0.6	7.52	Yes	Monthly monitoring
	16-Apr-25	02-Apr-25	02-Apr-25	5	16.9	4.4	73.7	0.7	8.12	-	Weekly monitoring
	06-May-25	01-May-25	11-Apr-25	0	2.7	17.5	79.8	0.4	7.34	Yes	Monthly monitoring
	Number of samples required			12	12	12	12	12	12	12	
	Number of samples collected			30	30	30	26	27	13	3	
	Min			0	2.7	0.8	70.4	-0.5	7.3	-	
	Max			8.5	21	18	79.8	-0.9	8.39	-	
	Avg			5.14	15.45	5.07	74.20	0.39	7.91	-	
GS2 (EPA ID 24)			16-Oct-24	0	9.7	9.2	-	0	5.25	-	Monthly monitoring
			29-Nov-24	0	12.6	7.8	-	0	5.75	-	Monthly monitoring
			19-Dec-24	0	13.6	7.3	-	0.3	5.52	-	Monthly monitoring
	07-Feb-25	06-Feb-25	30-Jan-25	0	14	8.5	-	0.3	-	-	Monthly monitoring - well not gauged
	20-Mar-25	19-Mar-25	28-Feb-25	0	13.5	8.6	77.9	0	Dry	Yes	Monthly monitoring
	06-May-25	01-May-25	26-Mar-25	0	14.2	9.5	76.3	1.5	5.08	Yes	Monthly monitoring
	06-May-25	01-May-25	11-Apr-25	0	13.9	9.6	76.5	0.2	5.37	Yes	Monthly monitoring
	Number of samples required			12	12	12	12	12	12	12	
	Number of samples collected			7	7	7	3	7	5	3	
	Min			0	9.7	7.3	76.3	0	5.08	-	
	Max			0	14.2	9.6	77.9	1.5	5.75	-	
	Avg			0.00	13.07	8.64	76.90	0.33	5.39	-	
GS3R (EPA ID 25)			01-Oct-24	64.6	36.3	0	0	-	-	-	Weekly monitoring - well not gauged
			10-Oct-24	64.3	36.5	0	0	-	-	-	Weekly monitoring - well not gauged
			16-Oct-24	57.5	34.4	0.1	-	3.9	8.13	-	Monthly monitoring
			18-Oct-24	64.2	36.6	0.1	0	-	-	-	Weekly monitoring - well not gauged
			21-Oct-24	61.1	37.7	0	1.2	0.2	-	-	Weekly monitoring - well not gauged
			30-Oct-24	59.4	36.9	0	4	0.2	-	-	Weekly monitoring - well not gauged
			07-Nov-24	58.5	37.2	0.1	4	0.6	-	-	Weekly monitoring - well not gauged
			15-Nov-24	60.6	38.1	0.1	1.1	0.6	-	-	Weekly monitoring - well not gauged
			18-Nov-24	60.5	37.8	0	1.6	0.8	-	-	Weekly monitoring - well not gauged
			29-Nov-24	59.4	36.5	0	-	3.1	8	-	Monthly monitoring
			27-Nov-24	50.5	32.1	0	18.6	0.7	-	-	Weekly monitoring - well not gauged, Device fault
			13-Dec-24	56.9	37.4	0	5.9	0.5	-	-	Weekly monitoring - well not gauged
			18-Dec-24	58.4	38.9	0	2.7	0.3	-	-	Weekly monitoring - well not gauged
			19-Dec-24	62.4	37.5	0	-	0.1	8.31	-	Monthly monitoring
			10-Jan-25	59.9	38.4	0	1	0.5	-	-	Weekly monitoring - well not gauged
			17-Jan-25	60.3	38.6	0	1.7	0.6	-	-	Weekly monitoring - well not gauged
			23-Jan-25	59.8	38.1	0	1	0.6	-	-	Weekly monitoring - well not gauged
	14-Feb-25	13-Feb-25	30-Jan-25	0	0.2	20.6	-	0.4	-	-	Monthly monitoring - well not gauged
	05-Feb-25	31-Jan-25	31-Jan-25	60.7	38.9	0	0.3	0.6	-	-	Weekly monitoring - well not gauged
	07-Feb-25	07-Feb-25	07-Feb-25	58.9	37.9	0	3.6	0.6	8.7	-	Weekly monitoring
	14-Feb-25	12-Feb-25	12-Feb-25	58.7	37.9	0	3.4	0.6	7.99	-	Weekly monitoring
	07-Mar-25	19-Feb-25	19-Feb-25	59.3	38.1	0	2.2	0.6	7.6	-	Weekly monitoring
	20-Mar-25	19-Mar-25	28-Feb-25	58.5	38.5	0	5	3.5	8.11	Yes	Monthly monitoring
	11-Mar-25	07-Mar-25	07-Mar-25	60.3	38.8	0	4.7	0.5	8.9	-	Weekly monitoring
	20-Mar-25	13-Mar-25	13-Mar-25	61.3	38	0	0.6	0.6	8.63	-	Weekly monitoring
	20-Mar-25	17-Mar-25	17-Mar-25	61	38.3	0	0.7	0.7	8.06	-	Weekly monitoring
	06-May-25	01-May-25	26-Mar-25	62.4	36.7	0.4	0.5	1.2	8.1	Yes	Monthly monitoring
	16-Apr-25	02-Apr-25	02-Apr-25	61.5	38.3	0	0.2	0.7	8.05	-	Weekly monitoring
	06-May-25	01-May-25	11-Apr-25	61.8	37.3	0	0.9	4.1	8.23	Yes	Monthly monitoring
	29-Apr-25	17-Apr-25	17-Apr-25	63.9	37	0.2	0	0	8.05	-	Weekly monitoring
	29-Apr-25	23-Apr-25	23-Apr-25	63.9	36.6	0.1	0	0.2	8.09	-	Weekly monitoring
	06-May-25	02-May-25	02-May-25	64.4	36.7	0.1	0	0.5	8.03	-	Weekly monitoring

	Date Uploaded	Date Monitoring Data Obtained	Date Monitored	Methane (CH4)	Carbon Dioxide (CO2)	Oxygen (O)	Balance (% v/v)	Flow	Depth to water	Is flow representative? *	Comments
				Post-purge	Post-purge	Post-purge	Post-purge	L/hr	mBGL	Y/N	
	21-May-25	16-May-25	16-May-25	64.8	36.8	0.1	0	0.3	8.03	-	Weekly monitoring
	21-May-25	21-May-25	21-May-25	65.3	36.2	0	0	0.5	8.1	-	Weekly monitoring
	12-Jun-25	30-May-25	30-May-25	64.3	37.3	0.1	0	0.4	8	-	Weekly monitoring
	12-Jun-25	06-Jun-25	04-Jun-25	64.7	36.6	0.1	0	0.5	8.24	-	Weekly monitoring
	Number of samples required			12	12	12	12	12	12	12	
	Number of Samples collected			36	36	32	32	33	20	3	
	Min			0	0.2	0	0	0	7.6	-	
	Max			65.3	38.9	20.6	18.6	4.1	8.9	-	
	Avg			59.28	36.09	0.61	2.03	0.88	8.17	-	
			01-Oct-24	35.1	33.1	0	31.9	-	-	-	Weekly monitoring - well not gauged
			10-Oct-24	37.2	33.3	0	29.6	-	-	-	Weekly monitoring - well not gauged
GS4 (EPA ID 26)			16-Oct-24	34.7	30.8	0.2	-	0	22.4	-	Monthly monitoring
			18-Oct-24	29.6	24	4.4	42	-	-	-	Weekly monitoring - well not gauged, pump failure
			21-Oct-24	37.9	35.3	0.1	26.7	0	-	-	Weekly monitoring - well not gauged
			30-Oct-24	30	30.7	1	38.3	0.2	-	-	Weekly monitoring - well not gauged
			07-Nov-24	27.6	30.2	1.8	40.3	0.5	-	-	Weekly monitoring - well not gauged
			15-Nov-24	20.4	23.3	5.2	51.2	0.4	-	-	Weekly monitoring - well not gauged
			18-Nov-24	25.3	30.4	0.3	43.7	0.6	-	-	Weekly monitoring - well not gauged
			29-Nov-24	12.4	10.2	-	0	-	23.33	-	Monthly monitoring
			27-Nov-24	21.1	25.8	3.1	49.9	0.5	-	-	Weekly monitoring - well not gauged
			06-Dec-24	33	29.2	1.1	36.5	-	-	-	Weekly monitoring - well not gauged
			13-Dec-24	43.9	33.7	0.4	22.1	0.7	-	-	Weekly monitoring - well not gauged
			18-Dec-24	47	36.3	0.2	16.5	0.3	-	-	Weekly monitoring - well not gauged
			19-Dec-24	50.2	35.7	0.1	-	0	23.27	-	Monthly monitoring
			10-Jan-25	44.6	35.9	0	19.5	0.6	-	-	Weekly monitoring - well not gauged
			17-Jan-25	49.9	37.1	0	13.1	0.5	-	-	Weekly monitoring - well not gauged
			23-Jan-25	48.7	38.2	0	13.1	0.9	-	-	Weekly monitoring - well not gauged
	14-Feb-25	13-Feb-25	30-Jan-25	52.7	37.2	0	-	0.6	-	-	Monthly monitoring - well not gauged
	05-Feb-25	31-Jan-25	31-Jan-25	49.1	38.2	0	12.6	0.7	-	-	Weekly monitoring - well not gauged
	07-Feb-25	07-Feb-25	07-Feb-25	42.9	35.5	0	21.6	0.4	22.83	-	Weekly monitoring
	14-Feb-25	12-Feb-25	12-Feb-25	48	37.2	0.3	14.5	0.8	20.2	-	Weekly monitoring
	07-Mar-25	19-Feb-25	19-Feb-25	40.5	55	0.3	24.2	0.6	23.8	-	Weekly monitoring
	20-Mar-25	19-Mar-25	28-Feb-25	42.3	32	0.7	25	2.7	22.58	Yes	Monthly monitoring
	11-Mar-25	07-Mar-25	07-Mar-25	45.9	37.2	0.1	16.9	0.7	23.21	-	Weekly monitoring
	20-Mar-25	13-Mar-25	13-Mar-25	49.5	38.6	0	11.7	0.7	23.21	-	Weekly monitoring
	20-Mar-25	17-Mar-25	17-Mar-25	47.7	38.1	0	14.2	0.7	23.19	-	Weekly monitoring
	06-May-25	01-May-25	26-Mar-25	50.5	36.9	0	12.6	1.5	22.55	Yes	Monthly monitoring
	16-Apr-25	02-Apr-25	02-Apr-25	49.8	37	0	12.8	0.7	23.15	-	Weekly monitoring
	06-May-25	01-May-25	11-Apr-25	48.7	38.3	0	13	1.5	22.56	Yes	Monthly monitoring
	29-Apr-25	17-Apr-25	17-Apr-25	47.8	38.1	0	14	0.4	23.8	-	Weekly monitoring
	29-Apr-25	23-Apr-25	23-Apr-25	42	36	0	22	0.2	23	-	Weekly monitoring
	06-May-25	06-May-25	02-May-25	47.3	37.1	0.1	15.2	0.5	23.2	-	Weekly monitoring
	21-May-25	16-May-25	16-May-25	44.2	36.5	0	19.3	0.3	23.1	-	Weekly monitoring
	21-May-25	21-May-25	21-May-25	41.5	35.4	0	22.9	0.5	20.9	-	Weekly monitoring
	12-Jun-25	30-May-25	30-May-25	36.7	33.9	0.1	29.2	0.5	23.7	-	Weekly monitoring
	12-Jun-25	04-Jun-25	04-Jun-25	36.1	33.9	0.1	29.9	0.4	23.08	-	Weekly monitoring
	Number of samples required			12	12	12	12	12	12	12	
	Number of Samples collected			35	35	35	31	31	18	3	
	Min			12.4	0	11.7	0	-	20.2	-	
	Max			52.7	55	10.2	51.2	2.7	23.8	-	
	Avg			40.54	34.33	0.85	24.09	0.60	22.79	-	
GS6 (EPA ID 29)			16-Oct-24	0	7.4	12.7	-	0	5.68	-	Monthly monitoring
			29-Nov-24	0	21	0	-	0	6.43	-	Monthly monitoring
			19-Dec-24	0	9.4	11.9	-	0.7	6.42	-	Monthly monitoring
	14-Feb-25	13-Feb-25	30-Jan-25	0	7.2	13.6	-	0.3	-	-	Monthly monitoring - well not gauged
	20-Mar-25	19-Mar-25	28-Feb-25	0	6.2	14.7	79.1	0.4	5.71	Yes	Monthly monitoring
	06-May-25	01-May-25	26-Mar-25	0	14.2	8.1	77.7	0	5.74	Yes	Monthly monitoring
	06-May-25	01-May-25	11-Apr-25	0	5.3	15.8	78.9	0	5.43	Yes	Monthly monitoring
	Number of samples required			12	12	12	12	12	12	12	
	Number of Samples collected			7	7	7	3	7	6	3	
	Min			0	5.3	0	77.7	0	5.43	-	
	Max			0	21	15.8	79.1	0.7	6.43	-	
	Avg			0.00	10.10	10.97	78.57	0.20	5.90	-	

	Date Uploaded	Date Monitoring Data Obtained	Date Monitored	Methane (CH4)	Carbon Dioxide (CO2)	Oxygen (O)	Balance (% v/v)	Flow	Depth to water	Is flow representative? ^a	Comments
				Post-purge	Post-purge	Post-purge	Post-purge	L/hr	mBGL	Y/N	
GS7R (EPA ID 31)			16-Oct-24	0	2.7	17.9	-	0	4.29	-	Monthly monitoring
			29-Nov-24	0	0	18.1	-	0	4.24	-	Monthly monitoring
			19-Dec-24	0	4.2	17.7	-	0.8	4.15	-	Monthly monitoring
	14-Feb-25	13-Feb-25	30-Jan-25	0	3.7	18	-	0.5	-	-	Monthly monitoring - well not gauged
	20-Mar-25	19-Mar-25	28-Feb-25	0	3.8	17.5	78.7	0.3	4.03	Yes	Monthly monitoring
	06-May-25	01-May-25	26-Mar-25	0	3.9	18.4	77.7	0.3	4.1	Yes	Monthly monitoring
	06-May-25	01-May-25	11-Apr-25	0	3.7	17	79.3	0.2	3.83	Yes	Monthly monitoring
			Number of samples required	12	12	12	12	12	12	12	
			Number of Samples collected	7	7	7	3	7	6	3	
			Min	0	0	17	77.7	0	3.83		
			Max	0	4.2	18.4	79.3	0.8	4.29		
			Avg	0.00	3.14	17.80	78.57	0.30	4.11		
GS8 (EPA ID 32)			16-Oct-24	0	4.4	16.6	-	0	12.06	-	Monthly monitoring
			29-Nov-24	1.2	2.4	19.2	-	0	11.82	-	Monthly monitoring
			19-Dec-24	0	5.4	15.5	-	0	13.7	-	Monthly monitoring
	14-Feb-25	13-Feb-25	30-Jan-25	0	3.7	17.6	-	0.3	-	-	Monthly monitoring - well not gauged
	20-Mar-25	19-Mar-25	28-Feb-25	0	3.4	17.7	78.9	0	11.71	Yes	Monthly monitoring
	06-May-25	01-May-25	26-Mar-25	0	2.1	19.8	78.1	1.6	12.1	Yes	Monthly monitoring
	06-May-25	01-May-25	11-Apr-25	0	3.1	16.9	80	-0.1	12.24	Yes	Monthly monitoring
			Number of samples required	12	12	12	12	12	12	12	
			Number of Samples collected	7	7	7	3	7	6	3	
			Min	0	2.1	15.5	78.1	-0.1	11.71		
			Max	1.2	5.4	19.8	80	1.6	13.7		
			Avg	0.17	3.50	17.61	79.00	0.26	12.27		
GS9 (EPA ID 27)			16-Oct-24	0	2	19.9	-	0	Dry	-	Monthly monitoring
			29-Nov-24	0	1.1	20.3	-	0	Dry	-	Monthly monitoring
			19-Dec-24	0	0.3	21.1	-	1.1	9.3	-	Monthly monitoring
	14-Feb-25	13-Feb-25	30-Jan-25	0	0.1	21	-	0.8	-	-	Monthly monitoring - well not gauged
	20-Mar-25	19-Mar-25	28-Feb-25	0.5	2.5	20	77	0	Dry	Yes	Monthly monitoring
	06-May-25	01-May-25	26-Mar-25	0	0.3	19.8	79.9	0.3	14.98	Yes	Monthly monitoring
	06-May-25	01-May-25	11-Apr-25	0	1.9	19.1	79.1	-0.3	13.99	Yes	Monthly monitoring
			Number of samples required	12	12	12	12	12	12	12	
			Number of Samples collected	7	7	7	3	7	6	3	
			Min	0	0.1	19.1	77	-0.3	9.3		
			Max	0.5	2.5	21.3	79.9	1.1	14.98		
			Avg	0.07	1.16	20.20	78.67	0.27	12.76		
GS11 (EPA ID 36)			16-Oct-24	0	3.6	14.4	-	0	Dry	-	Monthly monitoring
			29-Nov-24	0	0.2	20.6	-	0	9.6	-	Monthly monitoring
			19-Dec-24	0	-	20.5	-	0.9	10.21	-	Monthly monitoring
	14-Feb-25	13-Feb-25	30-Jan-25	0	0	20.6	-	0.8	-	-	Monthly monitoring - well not gauged
	20-Mar-25	19-Mar-25	28-Feb-25	0	3.9	15.1	81	0	Dry	Yes	Monthly monitoring
	06-May-25	01-May-25	26-Mar-25	0	3	17.3	79.7	0	Dry	Yes	Monthly monitoring
	06-May-25	01-May-25	11-Apr-25	0	3.5	16.8	79.7	0.1	Dry	Yes	Monthly monitoring
			Number of samples required	12	12	12	12	12	12	12	
			Number of Samples collected	7	7	7	3	7	6	2	
			Min	0	0.2	14.4	79.7	0	9.6		
			Max	0	76	20.6	81	0.9	10.21		
			Avg	0.00	12.93	17.90	80.13	0.26	9.91		

Note:

a¹ - Assessment of whether flow is representative is conducted monthly.