



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Field						Inorganics								
Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	BOD	Chloride	Nitrate (as N)	Phosphate	Fluoride	Sodium (filtered)	
ppm	m	mg/L	µS/cm	-	oC	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
EQL	5	0.01	0.01	1	0.01	0.1	0.01	1	2	1	0.01	0.01	0.1	1

Site ID	EPL No.	Location Code	Sampled Date	Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	BOD	Chloride	Nitrate (as N)	Phosphate	Fluoride	Sodium (filtered)
Buttonderry	1	B_BTU	11 Oct 2024	-	-	0.89	755	6.32	15.7	0.27	44	14	274	<0.01	0.02	<0.1	144
Buttonderry	2	B_BTM	11 Oct 2024	-	-	0.74	917	6.95	15.8	0.35	156	7	258	0.05	0.03	0.2	170
Buttonderry	3	B_BTD	11 Oct 2024	-	-	1.37	998	7.09	14.5	0.15	160	10	319	0.05	0.02	0.2	208
Buttonderry	4	B_BT20	11 Oct 2024	-	1.54	2.37	9,191	6.43	16.8	0.15	537	3	3,490	0.05	<0.01	0.2	1,940
Buttonderry	5	B_BT19	08 Oct 2024	-	0.65	0.68	11,505	6.46	17	0.11	627	5	3,450	<0.01	0.03	0.3	2,230
Buttonderry	6	B_BT17	11 Oct 2024	-	2.81	1.52	11,619	6.5	17.1	0.01	678	2	4,410	<0.01	<0.01	0.7	2,520
Buttonderry	7	B_BT16	08 Oct 2024	-	2.16	3.36	9,507	6.53	17.3	0.03	694	5	3,550	<0.01	0.04	0.4	1,940
Buttonderry	9	B_BT4	08 Oct 2024	-	1.9	2.78	12,192	5.8	18.1	0.18	146	5	4,730	0.02	<0.01	0.1	2,600
Buttonderry	11	B_BT3	11 Oct 2024	-	2.09	2.52	14,433	5.68	18.1	0.43	145	7	4,920	2	<0.01	0.1	2,470
Buttonderry	12	B_TB1	08 Oct 2024	-	1.58	1.81	1,376	6.98	17.6	4.69	844	15	60	<0.01	<0.01	1.2	132
Buttonderry	13	B_TB2	11 Oct 2024	-	1.87	4.76	8,401	5.94	18.3	0.16	206	<2	3,400	<0.01	<0.01	0.2	1,770
Buttonderry	14	B_B	11 Oct 2024	-	3.83	5.19	6,197	6.41	19.3	0.01	168	6	2,960	<0.01	<0.01	0.3	1,820
Buttonderry	15	Area 1	23 Oct 2024	<5*	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	1250*	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	1450*	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	<5*	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	0.76	992	7.32	23.9	0.16	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	4.17	1,285	7.29	21.6	1.54	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	-	3.6	3.12	13,867	6	18.2	0.04	253	3	5,840	<0.01	<0.01	0.3	2,880
Buttonderry	23	B_102S	11 Oct 2024	-	2.69	1.81	8,880	5.01	16.6	0.06	34	<2	2,340	0.03	0.04	0.4	1,820
Buttonderry	24	B_103D	11 Oct 2024	-	2.88	5.29	6,264	5.28	19.3	0.2	58	2	1,980	<0.01	<0.01	0.1	1,320
Buttonderry	25	B_104S	11 Oct 2024	-	2.36	3.46	1,866	5.48	20.9	0.52	274	4	393	0.02	<0.01	0.3	329
Buttonderry	26	B_105S	11 Oct 2024	-	1.96	0	2,725	6.51	19.3	0.52	461	6	577	0.13	<0.01	0.3	520
Buttonderry	27	B_617S	11 Oct 2024	-	1.76	0.54	9,713	5.05	20.1	0.83	94	<2	3,370	0.11	<0.01	<0.1	2,100
Buttonderry	28	B_613s	11 Oct 2024	-	3.54	1.93	9,227	5.54	20.2	0.31	129	10	2,720	<0.10	<0.05	<0.1	1,710
Buttonderry	29	B_902	11 Oct 2024	-	2.94	5.86	11,724	6.64	19.1	0.03	626	2	4,140	0.03	0.03	0.7	2,340
Buttonderry	30	B_901	08 Oct 2024	-	5.58	1.01	10,204	6.43	17.9	0.03	634	6	3,110	<0.01	0.05	0.8	1,830
Buttonderry	31	B_110D	08 Oct 2024	-	3.87	0.95	12,499	6.22	18.7	0.02	473	3	3,910	<0.01	0.01	0.7	2,390
Buttonderry	32	B_111S	11 Oct 2024	-	3.37	1.62	13,141	3.61	18.8	0.17	<1	<2	5,090	<0.01	<0.01	0.2	2,730
Buttonderry	33	B_112D	08 Oct 2024	-	1.19	2.14	9,339	4.25	18.5	0.18	1	<2	3,480	1.52	<0.01	0.3	1,990
Buttonderry	34	B_113s	11 Oct 2024	-	1.91	1.01	2,996	6.13	18.7	1.14	287	70	634	<0.01	0.32	0.1	534

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

A copy of the Environment Protection Licence (EPL) can be viewed at:

[5955.pdf \(nsw.gov.au\)](https://www.nsw.gov.au/5955.pdf)

Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

	Inorganics					Metals								
	TOC	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Cadmium (filtered)	Calcium (filtered)	Chromium (hexavalent) (filtered)	Cobalt (filtered)	Chromium (III+VI)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium (filtered)	Manganese (filtered)
EQL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	1	0.01	0.001	0.001	0.0001	1	0.01	0.001	0.001	0.001	0.05	0.001	1	0.001

Site ID	EPL No.	Location Code	Sampled Date	TOC	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Cadmium (filtered)	Calcium (filtered)	Chromium (hexavalent) (filtered)	Cobalt (filtered)	Chromium (III+VI)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Magnesium (filtered)	Manganese (filtered)
Buttonderry	1	B_BTU	11 Oct 2024	44	0.24	0.001	0.105	<0.0001	11	<0.01	0.021	0.003	0.001	3.19	<0.001	24	3.83
Buttonderry	2	B_BTM	11 Oct 2024	19	0.07	0.001	0.06	<0.0001	20	<0.01	0.007	<0.001	<0.001	1.46	<0.001	25	1.98
Buttonderry	3	B_BTD	11 Oct 2024	21	0.15	0.001	0.059	<0.0001	23	<0.01	0.003	0.001	<0.001	0.9	<0.001	30	1.05
Buttonderry	4	B_BT20	11 Oct 2024	10	<0.01	<0.001	0.213	<0.0001	45	<0.01	0.012	<0.001	<0.001	<0.05	<0.001	217	1.45
Buttonderry	5	B_BT19	08 Oct 2024	14	<0.01	<0.001	0.036	<0.0001	78	<0.01	0.021	<0.001	<0.001	<0.05	<0.001	213	2.59
Buttonderry	6	B_BT17	11 Oct 2024	2	<0.01	<0.001	0.035	<0.0001	44	<0.01	0.035	0.005	<0.001	<0.05	<0.001	286	0.144
Buttonderry	7	B_BT16	08 Oct 2024	1	<0.01	<0.001	0.038	0.0001	115	<0.01	0.007	<0.001	<0.001	0.06	<0.001	296	0.247
Buttonderry	9	B_BT4	08 Oct 2024	3	<0.01	0.011	0.087	<0.0001	55	<0.01	0.074	<0.001	<0.001	25.8	<0.001	301	1.52
Buttonderry	11	B_BT3	11 Oct 2024	3	<0.01	<0.001	0.084	<0.0001	66	<0.01	0.079	0.006	<0.001	21.1	<0.001	396	1.99
Buttonderry	12	B_TB1	08 Oct 2024	38	<0.01	0.008	0.25	<0.0001	192	<0.01	<0.001	0.007	<0.001	12.1	<0.001	36	0.299
Buttonderry	13	B_TB2	11 Oct 2024	4	<0.01	<0.001	0.051	<0.0001	35	<0.01	0.033	<0.001	<0.001	<0.05	<0.001	196	1.49
Buttonderry	14	B_B	11 Oct 2024	12	0.06	<0.001	0.067	<0.0001	40	<0.01	0.016	<0.001	0.004	0.57	<0.001	227	0.726
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	26	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	3	<0.01	<0.001	0.054	0.0003	28	<0.01	0.018	0.004	<0.001	1.09	<0.001	448	0.412
Buttonderry	23	B_102S	11 Oct 2024	22	0.21	<0.001	0.013	<0.0001	6	<0.01	0.015	0.004	0.001	<0.05	<0.001	157	0.317
Buttonderry	24	B_103D	11 Oct 2024	44	<0.01	0.001	0.025	<0.0001	9	<0.01	0.082	0.001	<0.001	1.47	<0.001	110	0.463
Buttonderry	25	B_104S	11 Oct 2024	32	0.08	0.001	0.088	<0.0001	23	<0.01	0.002	0.004	0.001	1.7	<0.001	36	0.26
Buttonderry	26	B_105S	11 Oct 2024	82	<0.01	<0.001	0.191	<0.0001	19	<0.01	0.001	0.004	0.004	0.2	<0.001	50	0.065
Buttonderry	27	B_617S	11 Oct 2024	32	<0.01	<0.001	0.025	<0.0001	8	<0.01	0.129	0.02	<0.001	12.8	<0.001	168	0.997
Buttonderry	28	B_613s	11 Oct 2024	50	<0.01	<0.001	0.227	<0.0001	11	<0.01	0.181	0.589	<0.001	40	<0.001	154	4.22
Buttonderry	29	B_902	11 Oct 2024	7	<0.01	<0.001	0.036	0.0001	82	<0.01	<0.001	0.078	<0.001	<0.05	<0.001	318	0.073
Buttonderry	30	B_901	08 Oct 2024	2	<0.01	<0.001	0.042	<0.0001	92	<0.01	0.011	<0.001	<0.001	0.21	<0.001	236	0.666
Buttonderry	31	B_110D	08 Oct 2024	11	<0.01	<0.001	0.025	<0.0001	50	<0.01	0.033	<0.001	<0.001	0.1	<0.001	260	0.263
Buttonderry	32	B_111S	11 Oct 2024	28	1.32	0.002	0.053	<0.0001	7	<0.01	0.004	0.002	<0.001	15	0.01	321	0.058
Buttonderry	33	B_112D	08 Oct 2024	11	1.4	0.002	0.046	<0.0001	8	<0.01	0.03	0.001	<0.001	9.44	0.003	201	0.058
Buttonderry	34	B_113s	11 Oct 2024	28	<0.01	<0.001	0.08	<0.0001	14	<0.01	0.003	<0.001	<0.001	3.97	<0.001	44	0.698

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

	Metals			Physical Parameters		NA				Monocyclic aromatic hydrocarbons				
	Mercury (filtered)	Potassium (filtered)	Zinc (filtered)	Total Dissolved Solids @180°C	TSS	Bensulide	Demeton-O & Demeton-S	Sulfate as SO4 - Turbidimetric (filtered)	Acephate	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene
EQL	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	0.0001	1	0.005	10	5	0.1	0.02	1	0.5	5	5	5	5	5

Site ID	EPL No.	Location Code	Sampled Date	Mercury (filtered)	Potassium (filtered)	Zinc (filtered)	Total Dissolved Solids @180°C	TSS	Bensulide	Demeton-O & Demeton-S	Sulfate as SO4 - Turbidimetric (filtered)	Acephate	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene
Buttonderry	1	B_BTU	11 Oct 2024	<0.0001	5	0.02	720	511	<0.1	<0.02	4	<0.5	<5	<5	<5	<5	<5
Buttonderry	2	B_BTM	11 Oct 2024	<0.0001	22	0.006	594	13	<0.1	<0.02	20	<0.5	<5	<5	<5	<5	<5
Buttonderry	3	B_BTD	11 Oct 2024	<0.0001	24	<0.005	714	8	<0.1	<0.02	28	<0.5	<5	<5	<5	<5	<5
Buttonderry	4	B_BT20	11 Oct 2024	<0.0001	9	0.009	6,550	-	-	-	372	-	<5	<5	<5	<5	<5
Buttonderry	5	B_BT19	08 Oct 2024	<0.0001	13	0.005	7,070	-	-	-	384	-	<5	<5	<5	<5	<5
Buttonderry	6	B_BT17	11 Oct 2024	<0.0001	6	0.014	8,490	-	-	-	413	-	<5	<5	<5	<5	<5
Buttonderry	7	B_BT16	08 Oct 2024	<0.0001	12	0.01	7,570	-	-	-	400	-	<5	<5	<5	<5	<5
Buttonderry	9	B_BT4	08 Oct 2024	<0.0001	11	0.01	9,080	-	-	-	501	-	<5	<5	<5	<5	<5
Buttonderry	11	B_BT3	11 Oct 2024	<0.0001	10	0.017	9,410	-	-	-	522	-	<5	<5	<5	<5	<5
Buttonderry	12	B_TB1	08 Oct 2024	<0.0001	20	<0.005	1,070	-	-	-	<1	-	<5	<5	<5	<5	<5
Buttonderry	13	B_TB2	11 Oct 2024	<0.0001	8	0.014	5,960	-	-	-	461	-	<5	<5	<5	<5	<5
Buttonderry	14	B_B	11 Oct 2024	<0.0001	11	0.284	5,900	-	-	-	361	-	<5	<5	<5	<5	<5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	217	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	15	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<0.0001	11	0.021	11,800	-	-	-	666	-	<5	<5	<5	<5	<5
Buttonderry	23	B_102S	11 Oct 2024	<0.0001	4	0.029	4,590	-	-	-	505	-	<5	<5	<5	<5	<5
Buttonderry	24	B_103D	11 Oct 2024	<0.0001	7	0.053	4,330	-	-	-	429	-	<5	<5	<5	<5	<5
Buttonderry	25	B_104S	11 Oct 2024	<0.0001	2	0.018	1,380	-	-	-	240	-	<5	<5	<5	<5	<5
Buttonderry	26	B_105S	11 Oct 2024	<0.0001	2	0.009	1,570	-	-	-	41	-	<5	<5	<5	<5	<5
Buttonderry	27	B_617S	11 Oct 2024	<0.0001	10	0.061	6,720	-	-	-	775	-	<5	<5	<5	<5	<5
Buttonderry	28	B_613s	11 Oct 2024	<0.0001	3	0.024	17,800	-	-	-	578	-	<5	<5	<5	<5	<5
Buttonderry	29	B_902	11 Oct 2024	<0.0001	12	0.02	8,110	-	-	-	528	-	<5	<5	<5	<5	<5
Buttonderry	30	B_901	08 Oct 2024	<0.0001	12	0.013	6,350	-	-	-	386	-	<5	<5	<5	<5	<5
Buttonderry	31	B_110D	08 Oct 2024	<0.0001	23	0.015	8,120	-	-	-	496	-	<5	<5	<5	<5	<5
Buttonderry	32	B_111S	11 Oct 2024	<0.0001	10	0.084	8,490	-	-	-	449	-	<5	<5	<5	<5	<5
Buttonderry	33	B_112D	08 Oct 2024	<0.0001	6	0.074	6,930	-	-	-	379	-	<5	<5	<5	<5	<5
Buttonderry	34	B_113s	11 Oct 2024	<0.0001	4	0.015	1,930	-	-	-	108	-	<5	<5	<5	<5	<5

Notes: * denotes maximum concentration recorded within monitoring area.

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Monocyclic aromatic hydrocarbons				BTEX									Phenols	VOCs
p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Naphthalene (VOC)	Benzene	Ethylbenzene	Toluene	Total BTEX	Xylene (m & p)	Xylene (o)	Xylene Total	Phenolics Total	cis-1,4-Dichloro-2-butene	
µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
EQL	5	5	5	0.005	1	2	2	1	2	2	2	50	5	

Site ID	EPL No.	Location Code	Sampled Date	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Naphthalene (VOC)	Benzene	Ethylbenzene	Toluene	Total BTEX	Xylene (m & p)	Xylene (o)	Xylene Total	Phenolics Total	cis-1,4-Dichloro-2-butene
Buttonderry	1	B_BTU	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	2	B_BTM	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	3	B_BT D	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	4	B_BT20	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	5	B_BT19	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	6	B_BT17	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	7	B_BT16	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	9	B_BT4	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	11	B_BT3	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	12	B_TB1	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	13	B_TB2	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	14	B_B	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	23	B_102S	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	24	B_103D	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	25	B_104S	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	26	B_105S	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	27	B_617S	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	28	B_613s	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	29	B_902	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	30	B_901	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	31	B_110D	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	32	B_111S	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	33	B_112D	08 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5
Buttonderry	34	B_113s	11 Oct 2024	<5	<5	<5	<5	<0.005	<1	<2	<2	<1	<2	<2	<2	<50	<5

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

	VOCs		Total Recoverable		Chlorinated Hydrocarbons											
	trans-1,4-Dichloro-2-butene	Pentachloroethane	C6-C10	C6-C10 (F1 minus BTEX)	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane		
EQL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	5	5	20	20	5	5	5	5	5	5	5	5	5	5	5	5

Site ID	EPL No.	Location Code	Sampled Date	trans-1,4-Dichloro-2-butene	Pentachloroethane	C6-C10	C6-C10 (F1 minus BTEX)	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane
Buttonderry	1	B_BTU	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	2	B_BTM	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	3	B_BTD	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	4	B_BT20	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	5	B_BT19	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	6	B_BT17	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	7	B_BT16	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	9	B_BT4	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	11	B_BT3	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	12	B_TB1	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	13	B_TB2	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	14	B_B	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	23	B_102S	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	24	B_103D	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	25	B_104S	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	26	B_105S	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	27	B_617S	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	28	B_613s	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	29	B_902	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	30	B_901	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	31	B_110D	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	32	B_111S	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	33	B_112D	08 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	34	B_113s	11 Oct 2024	<5	<5	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Chlorinated Hydrocarbons													
1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Hexachlorobutadiene
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	5	5	5	5	5	5	50	5	50	5	5	5	5

Site ID	EPL No.	Location Code	Sampled Date	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Hexachlorobutadiene
Buttonderry	1	B_BTU	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	2	B_BTM	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	3	B_BTD	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	4	B_BT20	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	5	B_BT19	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	6	B_BT17	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	7	B_BT16	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	9	B_BT4	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	11	B_BT3	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	12	B_TB1	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	13	B_TB2	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	14	B_B	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	23	B_102S	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	24	B_103D	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	25	B_104S	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	26	B_105S	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	27	B_617S	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	28	B_613s	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	29	B_902	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	30	B_901	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	31	B_110D	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	32	B_111S	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	33	B_112D	08 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5
Buttonderry	34	B_113s	11 Oct 2024	<5	<5	<5	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	<5

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

	Chlorinated Hydrocarbons					Fungicide	Halogenated Benzenes							
	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	Fosetyl-al	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	5	5	5	5	50	10	5	5	5	5	5	5	5	5

Site ID	EPL No.	Location Code	Sampled Date	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	Fungicide	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene
Buttonderry	1	B_BTU	11 Oct 2024	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	2	B_BTM	11 Oct 2024	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	3	B_BTD	11 Oct 2024	<5	<5	<5	<5	<50	<10	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	4	B_BT20	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	5	B_BT19	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	6	B_BT17	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	7	B_BT16	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	9	B_BT4	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	11	B_BT3	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	12	B_TB1	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	13	B_TB2	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	14	B_B	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	23	B_102S	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	24	B_103D	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	25	B_104S	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	26	B_105S	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	27	B_617S	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	28	B_613s	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	29	B_902	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	30	B_901	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	31	B_110D	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	32	B_111S	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	33	B_112D	08 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5
Buttonderry	34	B_113s	11 Oct 2024	<5	<5	<5	<5	<50	-	<5	<5	<5	<5	<5	<5	<5	<5

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

	Halogenated		Halogenated Hydrocarbons					Organochlorine Pesticides						
	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	Chlordane (cis)
EQI	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	5	0.01	5	50	50	5	50	0.01	0.01	0.01	0.5	0.01	0.01	0.01

Site ID	EPL No.	Location Code	Sampled Date	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	Chlordane (cis)
Buttonderry	1	B_BTU	11 Oct 2024	<5	<0.010	<5	<50	<50	<5	<50	<0.010	<0.010	<0.010	-	<0.010	<0.010	<0.010
Buttonderry	2	B_BTM	11 Oct 2024	<5	<0.010	<5	<50	<50	<5	<50	<0.010	<0.010	<0.010	-	<0.010	<0.010	<0.010
Buttonderry	3	B_BT D	11 Oct 2024	<5	<0.010	<5	<50	<50	<5	<50	<0.010	<0.010	<0.010	-	<0.010	<0.010	<0.010
Buttonderry	4	B_BT20	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	5	B_BT19	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	6	B_BT17	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	7	B_BT16	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	9	B_BT4	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	11	B_BT3	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	12	B_TB1	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	13	B_TB2	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	14	B_B	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	23	B_102S	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	24	B_103D	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	25	B_104S	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	26	B_105S	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	27	B_617S	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	28	B_613s	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	29	B_902	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	30	B_901	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	31	B_110D	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	32	B_111S	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	33	B_112D	08 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	34	B_113s	11 Oct 2024	<5	<0.5	<5	<50	<50	<5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Organochlorine Pesticides													
Chlordane (trans)	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan	Endrin aldehyde	Endrin ketone	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	g-BHC (Lindane)
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Site ID	EPL No.	Location Code	Sampled Date	Chlordane (trans)	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan	Endrin aldehyde	Endrin ketone	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	g-BHC (Lindane)
Buttonderry	1	B_BTU	11 Oct 2024	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Buttonderry	2	B_BTM	11 Oct 2024	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Buttonderry	3	B_BTD	11 Oct 2024	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Buttonderry	4	B_BT20	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	5	B_BT19	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	6	B_BT17	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	7	B_BT16	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	9	B_BT4	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	11	B_BT3	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	12	B_TB1	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	13	B_TB2	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	14	B_B	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	23	B_102S	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	24	B_103D	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	25	B_104S	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	26	B_105S	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	27	B_617S	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	28	B_613s	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	29	B_902	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	30	B_901	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	31	B_110D	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	32	B_111S	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	33	B_112D	08 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Buttonderry	34	B_113s	11 Oct 2024	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Organochlorine Pesticides				Polynuclear Aromatic Hydrocarbons										
Heptachlor	Heptachlor epoxide	Methoxychlor	Oxychloridane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Benzo(b+i)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	
µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	
EQL	0.005	0.01	0.01	0.00001	1	1	1	1	0.5	1	0.001	1	1	1

Site ID	EPL No.	Location Code	Sampled Date	Heptachlor	Heptachlor epoxide	Methoxychlor	Oxychloridane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Benzo(b+i)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
Buttonderry	1	B_BTU	11 Oct 2024	<0.005	<0.010	<0.010	<0.000010	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	2	B_BTM	11 Oct 2024	<0.005	<0.010	<0.010	<0.000010	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	3	B_BTD	11 Oct 2024	<0.005	<0.010	<0.010	<0.000010	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	4	B_BT20	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	5	B_BT19	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	6	B_BT17	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	7	B_BT16	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	9	B_BT4	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	11	B_BT3	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	12	B_TB1	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	13	B_TB2	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	14	B_B	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	23	B_102S	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	24	B_103D	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	25	B_104S	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	26	B_105S	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	27	B_617S	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	28	B_613s	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.6	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	29	B_902	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	30	B_901	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	31	B_110D	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	32	B_111S	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	33	B_112D	08 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0
Buttonderry	34	B_113s	11 Oct 2024	<0.5	<0.5	<2.0	-	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.0010	<1.0	<1.0	<1.0

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Polynuclear Aromatic Hydrocarbons							Organophosphorous Pesticides						
Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Carbophenothion	Azinphos Ethyl	Chlorfenvinphos	Chlorpyrifos
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
EQL	1	1	1	1	1	0.5	0.02	0.05	0.1	0.02	0.00002	0.02	0.02

Site ID	EPL No.	Location Code	Sampled Date	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Carbophenothion	Azinphos Ethyl	Chlorfenvinphos	Chlorpyrifos
Buttonderry	1	B_BTU	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.02	<0.05	<0.10	<0.02	<0.00002	<0.02	<0.02
Buttonderry	2	B_BTM	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.02	<0.05	<0.10	<0.02	<0.00002	<0.02	<0.02
Buttonderry	3	B_BTD	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.02	<0.05	<0.10	<0.02	<0.00002	<0.02	<0.02
Buttonderry	4	B_BT20	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	5	B_BT19	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	6	B_BT17	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	7	B_BT16	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	9	B_BT4	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	11	B_BT3	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	12	B_TB1	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	13	B_TB2	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	14	B_B	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	23	B_102S	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	24	B_103D	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	25	B_104S	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	26	B_105S	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	27	B_617S	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	28	B_613s	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	29	B_902	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	30	B_901	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	31	B_110D	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	32	B_111S	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	33	B_112D	08 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5
Buttonderry	34	B_113s	11 Oct 2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Organophosphorous Pesticides													
Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethion	Fenitrothion	Fensulfthion	Fenthion	EPN
mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.0002	0.01	0.02	0.02	0.01	0.2	0.02	0.05	0.01	0.02	2	0.01	0.05

Site ID	EPL No.	Location Code	Sampled Date	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethion	Fenitrothion	Fensulfthion	Fenthion	EPN
Buttonderry	1	B_BTU	11 Oct 2024	<0.0002	<0.01	<0.02	<0.02	<0.01	<0.20	<0.02	<0.05	<0.01	<0.02	<2	<0.01	<0.05	<0.05
Buttonderry	2	B_BTM	11 Oct 2024	<0.0002	<0.01	<0.02	<0.02	<0.01	<0.20	<0.02	<0.05	<0.01	<0.02	<2	<0.01	<0.05	<0.05
Buttonderry	3	B_BT D	11 Oct 2024	<0.0002	<0.01	<0.02	<0.02	<0.01	<0.20	<0.02	<0.05	<0.01	<0.02	<2	<0.01	<0.05	<0.05
Buttonderry	4	B_BT20	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	5	B_BT19	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	6	B_BT17	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	7	B_BT16	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	9	B_BT4	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	11	B_BT3	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	12	B_TB1	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	13	B_TB2	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	14	B_B	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	23	B_102S	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	24	B_103D	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	25	B_104S	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	26	B_105S	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	27	B_617S	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	28	B_613s	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	29	B_902	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	30	B_901	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	31	B_110D	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	32	B_111S	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	33	B_112D	08 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-
Buttonderry	34	B_113s	11 Oct 2024	<0.0005	-	-	-	<0.5	<0.5	<0.5	-	-	<0.5	-	-	<0.5	-

Notes: * denotes maximum concentration recorded within monitoring area.

^ denotes reading collected from sewer sump outside of office building

NT denotes 'not tested', Laboratory error, field pH was collected

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Organophosphorous Pesticides														
Malathion	Methidathion	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Omethoate	Phorate	Pyrazophos	Ronnel	Prothiofos	Terbufos	Thiometon	Trichloronate	Tetrachlorvinphos	
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	
EQL	0.02	0.1	0.5	0.02	0.02	0.01	0.1	0.1	10	0.1	0.01	0.5	0.5	0.00001

Site ID	EPL No.	Location Code	Sampled Date	Malathion	Methidathion	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Omethoate	Phorate	Pyrazophos	Ronnel	Prothiofos	Terbufos	Thiometon	Trichloronate	Tetrachlorvinphos
Buttonderry	1	B_BTU	11 Oct 2024	<0.02	<0.1	<0.5	<0.02	<0.02	<0.01	<0.1	<0.1	<10	<0.1	<0.01	<0.5	<0.5	<0.00001
Buttonderry	2	B_BTM	11 Oct 2024	<0.02	<0.1	<0.5	<0.02	<0.02	<0.01	<0.1	<0.1	<10	<0.1	<0.01	<0.5	<0.5	<0.00001
Buttonderry	3	B_BTD	11 Oct 2024	<0.02	<0.1	<0.5	<0.02	<0.02	<0.01	<0.1	<0.1	<10	<0.1	<0.01	<0.5	<0.5	<0.00001
Buttonderry	4	B_BT20	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	5	B_BT19	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	6	B_BT17	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	7	B_BT16	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	9	B_BT4	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	11	B_BT3	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	12	B_TB1	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	13	B_TB2	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	14	B_B	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	23	B_102S	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	24	B_103D	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	25	B_104S	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	26	B_105S	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	27	B_617S	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	28	B_613s	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	29	B_902	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	30	B_901	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	31	B_110D	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	32	B_111S	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	33	B_112D	08 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-
Buttonderry	34	B_113s	11 Oct 2024	<0.5	-	<2.0	-	<2.0	-	-	-	-	<0.5	-	-	-	-

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

	TPH										Other		PCBs	
	C6-C9	C10-C14	C10-C16	C15-C28	C16-C34	C29-C36	C34-C40	+C10-C36 (Sum of total)	C10-C40 (Sum of total)	C10-C16 (F2 minus Naphthalene)	Naphthalophos	Triazophos	Arochlor 1016	Arochlor 1221
mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
EQL	0.02	50	100	100	100	50	100	50	100	100	0.001	0.000005	0.1	0.1

Site ID	EPL No.	Location Code	Sampled Date	C6-C9	C10-C14	C10-C16	C15-C28	C16-C34	C29-C36	C34-C40	+C10-C36 (Sum of total)	C10-C40 (Sum of total)	C10-C16 (F2 minus Naphthalene)	Naphthalophos	Triazophos	Arochlor 1016	Arochlor 1221
Buttonderry	1	B_BTU	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	<0.0010	<0.000005	<0.10	<0.10
Buttonderry	2	B_BTM	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	<0.0010	<0.000005	<0.10	<0.10
Buttonderry	3	B_BTD	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	<0.0010	<0.000005	<0.10	<0.10
Buttonderry	4	B_BT20	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	5	B_BT19	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	6	B_BT17	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	7	B_BT16	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	9	B_BT4	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	11	B_BT3	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	12	B_TB1	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	13	B_TB2	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	14	B_B	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	23	B_102S	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	24	B_103D	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	25	B_104S	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	26	B_105S	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	27	B_617S	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	28	B_613s	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	29	B_902	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	30	B_901	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	31	B_110D	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	32	B_111S	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	33	B_112D	08 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-
Buttonderry	34	B_113s	11 Oct 2024	<0.02	<50	<100	<100	<100	<50	<100	<50	<100	<100	-	-	-	-

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Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas

Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/

Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/11/2024

Buttonderry Waste Management Facility - EPL 5955

850 Hue Hue Road, Jilliby NSW 2259



October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

PCBs						Pesticides								
Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Demeton-S-methyl	Fenamiphos	Formothion	Parathion	Pirimiphos-methyl	Profenofos	Pirimiphos-ethyl	Sulfotepp	
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.01	20	0.2	0.00001	0.01	0.01	0.005

Site ID	EPL No.	Location Code	Sampled Date	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Demeton-S-methyl	Fenamiphos	Formothion	Parathion	Pirimiphos-methyl	Profenofos	Pirimiphos-ethyl	Sulfotepp
Buttonderry	1	B_BTU	11 Oct 2024	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.02	<0.01	<20	<0.2	<0.00001	<0.01	<0.01	<0.005
Buttonderry	2	B_BTM	11 Oct 2024	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.02	<0.01	<20	<0.2	<0.00001	<0.01	<0.01	<0.005
Buttonderry	3	B_BTD	11 Oct 2024	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.02	<0.01	<20	<0.2	<0.00001	<0.01	<0.01	<0.005
Buttonderry	4	B_BT20	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	5	B_BT19	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	6	B_BT17	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	7	B_BT16	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	9	B_BT4	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	11	B_BT3	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	12	B_TB1	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	13	B_TB2	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	14	B_B	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	23	B_102S	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	24	B_103D	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	25	B_104S	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	26	B_105S	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	27	B_617S	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	28	B_613s	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	29	B_902	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	30	B_901	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	31	B_110D	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	32	B_111S	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	33	B_112D	08 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-
Buttonderry	34	B_113s	11 Oct 2024	-	-	-	-	-	<1	<0.5	<0.5	-	<2.0	-	-	<0.5	-

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Buttonderry Waste Management Facility - EPL 5955

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October 2024 - Groundwater, Surface Water and Surface Gas Monitoring Analytical Results

Pesticides		Solvents					
Temephos	Trichlorfon	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Carbon disulfide	Vinyl acetate	
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
EQL	0.02	0.02	50	50	50	5	50

Site ID	EPL No.	Location Code	Sampled Date	Temephos	Trichlorfon	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Carbon disulfide	Vinyl acetate
Buttonderry	1	B_BTU	11 Oct 2024	<0.02	<0.02	<50	<50	<50	<5	<50
Buttonderry	2	B_BTM	11 Oct 2024	<0.02	<0.02	<50	<50	<50	<5	<50
Buttonderry	3	B_BTD	11 Oct 2024	<0.02	<0.02	<50	<50	<50	<5	<50
Buttonderry	4	B_BT20	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	5	B_BT19	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	6	B_BT17	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	7	B_BT16	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	9	B_BT4	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	11	B_BT3	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	12	B_TB1	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	13	B_TB2	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	14	B_B	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	15	Area 1	23 Oct 2024	-	-	-	-	-	-	-
Buttonderry	16	Area 2	23 Oct 2024	-	-	-	-	-	-	-
Buttonderry	17	Area 3	23 Oct 2024	-	-	-	-	-	-	-
Buttonderry	18	Gatehouse	23 Oct 2024	-	-	-	-	-	-	-
Buttonderry	19	B_Discharge Point 1	11 Oct 2024	-	-	-	-	-	-	-
Buttonderry	20	B_Discharge Point 2	11 Oct 2024	-	-	-	-	-	-	-
Buttonderry	22	B_101S	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	23	B_102S	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	24	B_103D	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	25	B_104S	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	26	B_105S	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	27	B_617S	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	28	B_613s	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	29	B_902	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	30	B_901	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	31	B_110D	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	32	B_111S	11 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	33	B_112D	08 Oct 2024	-	-	<50	<50	<50	<5	<50
Buttonderry	34	B_113s	11 Oct 2024	-	-	<50	<50	<50	<5	<50

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