

NAMMOONA LANDFILL FACILITY MONITORING RESULTS

Environmental Protection Licence No. 5873

Licensee: Richmond Valley Council

POINT 3 Leachate Pond Waters

Parameter	Frequency	Trigger level	unit of measure	14/06/2018	27/03/2018	12/12/2017	12/09/2017	15/06/2017	8/03/2017	12/12/2016
Date sampled				14/06/2018	27/03/2018	12/12/2017	12/09/2017	15/06/2017	8/03/2017	12/12/2016
Time sampled				10:30	14:15	10:35	14:25	10:30	12:48	9:45
Sampled by				Mark Bayley	Jesse Munro	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley
Date results received				30/07/2018	2/05/2018	19/01/2018	23/10/2017	5/07/2017	20/04/2017	16/01/2017
Date results published				7/08/2018	3/05/2018	25/01/2018	26/10/2017	17/07/2017	15/05/2017	25/01/2017
Ammonia	Quarterly	n/a	mg/L	68.2	17.7	10.7	109	15.2	25.1	52.3
Arsenic	Quarterly	n/a	mg/L	0.01	0.009	0.016	0.014	<0.001	0.025	0.025
Bicarbonate	Quarterly	n/a	mg/L	980	500	560	1140	400	1000	870
Calcium	Quarterly	n/a	mg/L	66	32	43	88	48	33	77
Chloride	Quarterly	n/a	mg/L	1213	865	875	1300	619	2353	1,605
Chromium (total)	Quarterly	n/a	mg/L	0.014	0.008	0.01	0.025	0.004	0.02	0.024
Conductivity	Quarterly	n/a	µS/cm	5435	3380	4156	7062	2892	7654	7395
Copper	Quarterly	n/a	mg/L	0.001	0.001	0.001	0.003	0.003	<0.01	0.002
Dissolved Organic Carbon	Quarterly	n/a	mg/L	202	97	152	250	95.7	246	190
Dissolved Oxygen	Quarterly	n/a	mg/L	21.9	11.2	4.8	14.5	9.6	16.5	19.2
Magnesium	Quarterly	n/a	mg/L	95	60	69	123	51	114	118
Nitrogen (total)	Quarterly	n/a	mg/L	94.9	36.3	28.8	117	36.1	67.9	93.6
Organochlorine Pesticides	Quarterly	n/a	mg/L	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Organophosphate Pesticides	Quarterly	n/a	mg/L	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
pH	Quarterly	n/a	pH	8.75	8.78	8.59	7.69	8.23	8.94	8.73
Phenols	Quarterly	n/a	mg/L	<0.0005	<0.010	<0.002	..	<0.002	<0.001	<0.002
Phosphorus	Quarterly	n/a	mg/L	1.41	0.65	1.0	0.8	0.67	1.66	2.2
Potassium	Quarterly	n/a	mg/L	158	106	133	218	90	254	241
Semi-volatile organic carbons	Quarterly	n/a	mg/L	<0.0005	<0.010	<0.002	<1	<5	<1	10
Sodium	Quarterly	n/a	mg/L	822	547	667	995	428	1321	1,145
Sulphate	Quarterly	n/a	mg/L	<1	42	34	42	61	79	160

Total dissolved solids	Quarterly	n/a	mg/L	3280	2000	2470	3510	1530	4690	4,010
Total petroleum hydrocarbons	Quarterly	n/a	mg/L	3	<0.050	0.227	0.524	<0.1	4.02	4.61
Volatile organic compounds	Quarterly	n/a	mg/L	171.2	<0.010	<0.001	<0.01	<0.01	<0.001	<0.001

**Monitoring
Bore MB1**

POINT 8

Parameter	Frequency	Trigger level	unit of measure							
Date sampled				27/03/2018	12/09/2017	8/03/2017	22/09/2016	15/03/2016	9/09/2015	31/03/2015
Time sampled					-	12:30		10:42		13:05
Sampled by				Jesse Munro	Mark Bayley	Mark Bayley	Jesse Munro	Jesse Munro	Jesse Munro	Mark Bayley
Date results received				2/05/2018	23/10/2017	20/04/2017				
Date results published				3/05/2018	26/10/2017	15/05/2017				
Ammonia	6 Months	0.62	mg/L	dry bore	dry bore	0.205	dry bore	dry bore	dry bore	0.409
Dissolved Organic Carbon	6 Months	69.6	mg/L	dry bore	dry bore	8.3	dry bore	dry bore	dry bore	16.4
Nitrogen (total)	6 Months	4.2	mg/L	dry bore	dry bore	0.87	dry bore	dry bore	dry bore	0.46
pH	6 Months	5.35-9.26	pH	dry bore	dry bore	6.91	dry bore	dry bore	dry bore	6.45
Potassium	6 Months	36.9	mg/L	dry bore	dry bore	6.7	dry bore	dry bore	dry bore	4.6
Total petroleum hydrocarbons C15-C36 Fraction	6 Months	125.8	µg/L	dry bore	dry bore	<100	dry bore	dry bore	dry bore	<100

**Monitoring
Bore MB2**

POINT 9

Parameter	Frequency	Trigger level	unit of measure							
Date sampled				27/03/2018	12/09/2017	8/03/2017	22/09/2016	15/03/2016	9/09/2015	31/03/2015
Time sampled				13:45	13:50	15:40	8:45	10:25	13:30	14:30
Sampled by				Jesse Munro	Mark Bayley	Mark Bayley	Jesse Munro	Jesse Munro	Jesse Munro	Mark Bayley
Date results received				2/05/2018	23/10/2017	20/04/2017				
Date results published				3/05/2018	26/10/2017	15/05/2017				
Ammonia	6 Months	0.26	mg/L	0.458	0.248	0.185	0.105	0.127	0.167	0.317
Dissolved Organic Carbon	6 Months	63.4	mg/L	3.4	4.5	5.2	4.9	12.3	3.2	12.8

Nitrogen (total)	6 Months	3.3	mg/L	0.54	0.4	0.27	0.26	0.21	0.292	0.5
pH	6 Months	5.11-9.5	pH	6.62	5.5	7.34	6.26	6.02	6.34	6.51
Potassium	6 Months	9.1	mg/L	4.2	4.3	4.5	4.5	4.2	3.4	3.6
Total petroleum hydrocarbons C15-C36 Fraction	6 Months	139.8	µg/L	<100	<100	<100	<100	<100	<100	<100

**Monitoring
Bore MB3**

Parameter	Frequency	Trigger level	unit of measure	27/03/2018	12/09/2017	8/03/2017	22/09/2016	15/03/2016	9/09/2015	31/03/2015
Date sampled										
Time sampled				13:30	12:55	14:05	10:40	12:08	14:10	15:10
Sampled by				Jesse Munro	Mark Bayley	Mark Bayley	Jesse Munro	Jesse Munro	Jesse Munro	Mark Bayley
Date results received				2/05/2018	23/10/2017	20/04/2017				
Date results published				3/05/2018	26/10/2017	15/05/2017				
Ammonia	6 Months	1.4	mg/L	7.449	0.073	0.473	0.147	2.33	0.124	2.37
Dissolved Organic Carbon	6 Months	45.8	mg/L	1.7	3	6.8	8.7	4	1.7	4.1
Nitrogen (total)	6 Months	2.3	mg/L	7.5	1.6	0.9	0.26	2.04	0.93	2.87
pH	6 Months	5.54-9.1	pH	7.49	4.76	7.34	6.6	7.38	6.73	6.89
Potassium	6 Months	6.9	mg/L	3.9	3.8	4.6	3.6	4.3	2.8	3.2
Total petroleum hydrocarbons C15-C36 Fraction	6 Months	106.9	µg/L	<100	<100	<100	<100	<100	<100	<100

**Monitoring
Bore MB4**

Parameter	Frequency	Trigger level	unit of measure	27/03/2018	12/09/2017	8/03/2017	22/09/2016	15/03/2016	9/09/2015	31/03/2015
Date sampled										
Time sampled				13:30	13:15	11:38	11:00	12:30	14:45	15:40
Sampled by				Jesse Munro	Mark Bayley	Mark Bayley	Jesse Munro	Jesse Munro	Jesse Munro	Mark Bayley
Date results received				2/05/2018	23/10/2017	20/04/2017				
Date results published				3/05/2018	26/10/2017	15/05/2017				
Ammonia				0.128	0.113	0.063	0.068	0.058	0.035	0.07

Date results published										
Ammonia	Event based	n/a	mg/L	4.01	0.05	0.055	1.082	0.013	4.474	0.931
Arsenic	Event based	n/a	mg/L	0.04	0.00	0.001	0.024	0.002	0.001	0.002
Calcium	Event based	n/a	mg/L	43.60	8.83	34.4	27.5	24.8	53.1	67.3
Chloride	Event based	n/a	mg/L	93.10	103.00	109	126	25	62	459
Chromium	Event based	n/a	mg/L	0.02	0.00	0.006	0.016	0.008	0.001	0.002
Conductivity	Event based	n/a	uS/cm	0.75	0.45	0.858	552	272	780	1.83
Copper	Event based	n/a	mg/L	0.03	0.00	0.003	0.016	0.021	0.009	0.004
Dissolved organic carbon	Event based	n/a	mg/L	96.79	14.75	58.5	8.6	14.9	29.2	37.4
Dissolved Oxygen	Event based	n/a	mg/L	1.97	9.95	10.8	8.6	8.7	10.1	8.3
Magnesium	Event based	n/a	mg/L	15.70	7.85	17.1	12.9	6.8	20.6	46.9
Manganese	Event based	n/a	mg/L	0.48	0.03	0.313	0.022	0.164	0.055	0.099
Nitrate	Event based	n/a	mg/L	2.27	0.34	17.999	4.246	0.75	11.513	4.437
pH	Event based	n/a	pH	6.86	6.68	6.33	7.28	7.37	6.8	7.4
Potassium	Event based	n/a	mg/L	17.20	5.71	26.2	10.9	5.7	16.9	21.6
Redox potential	Event based	n/a	mV	110.00	123.00	217	240	254	225	210
Sodium	Event based	n/a	mg/L	66.10	55.10	81.2	47.8	25.1	66.8	255
Sulphate	Event based	n/a	mg/L	44.10	2.01	47	4	21	56	40
Temperature	Event based	n/a	Deg C	19.00	20.00					14.61
Total suspended solids	Event based	n/a	mg/L	56.00	15.00	38	62	487	70	25

Surface Waters

SW02

Parameter	Frequency	Trigger level	unit of measure							
Date sampled				5/06/2016	4/06/2016	28/10/2015	2/05/2015	21/02/2015	29/08/2014	19/06/2013
Time sampled									6:55	10:20
Sampled by				RVC	RVC	RVC	RVC	RVC	Mark Bayley	Mark Bayley
Date results received										
Date results published										
Ammonia	Event Based	n/a	mg/L	0.44	0.03	0.055	0.42	0.148	0.877	6.38
Arsenic	Event Based	n/a	mg/L	0.00	0.00	0.001	0.002	0.135	0.002	0.001
Calcium	Event Based	n/a	mg/L	66.10	11.50	34.4	38.1	12.9	119	128
Chloride	Event Based	n/a	mg/L	77.50	14.20	109	70	55	115	122
Chromium	Event Based	n/a	mg/L	0.00	0.00	0.006	0.003	0.059	0.002	0.002
Conductivity	Event Based	n/a	uS/cm	0.95	0.19	0.858	497	0.316	1.3	1.48

Copper	Event Based	n/a	mg/L	0.01	0.01	0.003	0.006	0.064	0.013	0.015
Dissolved organic carbon	Event Based	n/a	mg/L	36.89	13.49	58.5	28.8	14.1	43.8	37.1
Dissolved Oxygen	Event Based	n/a	mg/L	10.32	9.90	10.8	10.3	9.6	10.4	8.3
Magnesium	Event Based	n/a	mg/L	22.70	3.64	17.1	12.8	7.4	45.4	49.9
Manganese	Event Based	n/a	mg/L	0.02	0.03	0.313	0.033	0.095	0.038	0.131
Nitrate	Event Based	n/a	mg/L	13.70	1.52	17.999	3.685	0.581	24.031	17.204
pH	Event Based	n/a	pH	7.60	7.31	6.33	7.28	7.26	7029	7.63
Potassium	Event Based	n/a	mg/L	26.80	9.02	26.2	12.9	5.1	32.3	32.8
Redox potential	Event Based	n/a	mV	102.00	113.00	217	238	252	224	207
Sodium	Event Based	n/a	mg/L	74.20	15.20	81.2	32.5	37.8	130	135
Sulphate	Event Based	n/a	mg/L	83.10	11.43	47	12	10	162	104
Temperature	Event Based	n/a	Deg C	18.00	20.00					
Total suspended solids	Event Based	n/a	mg/L	13.00	82.00	38	238	196	49	18

Point 6

Parameter	Frequency	Limit	unit of measure	2/07/2018	29/06/2017	30/06/2016	25/06/2015	3/09/2014	26/06/2013	26/06/2012
Date sampled										
Time sampled				09:00 - 09:30	10:00-10:30					
Sampled by				Mark	Mark					
Date results received				Bayley	Bayley					
Date results published				30/07/2018	17/07/2017					
				7/08/2018	17/07/2017					
Methane	Annual	n/a	Percent by volume	Nil detected	Nil detected	Nil detected	Nil detected	Nil detected	Nil detected	Nil detected

Point 7

Parameter	Frequency	Limit	unit of measure	2/07/2018	29/06/2017	30/06/2016	25/06/2015	3/09/2014	26/06/2013	26/06/2012
Date sampled										
Time sampled				09:00 - 09:30	10:00-10:30					
Sampled by				Mark	Mark					
Date results received				Bayley	Bayley					
				30/07/2018	6/07/2017					

22/09/2016	30/06/2016	15/03/2016	3/12/2015	9/09/2015	17/07/2015	31/03/2015	19/12/2014	29/08/2014	6/06/2014	5/03/2014
10:10	10:15	11:15	11:30	13:30	9:15	14:00	10:05	7:50	8:35	12:55
Jesse Munro	Mark Bayley	Jesse Munro	Mark Bayley	Jesse Munro	Jesse Munro	Mark Bayley	Mark Bayley	Jesse Munro	Jesse Munro	Mark Bayley
50.2	59.6	22.4	42.2	78.4	60.664	24.34	3.233	16.8	84.55	4.65
0.011	0.009	0.014	0.01	0.007	0.009	0.009	0.035	0.012	0.016	0.025
780	800	680	810	970	780	690	490	460	910	540
55	57.1	52	67.6	56	61.3	52.9	24.9	61	78	40
921	1024	1150	834	892	696	722	1363	811	1015	1308
0.014	0.012	0.012	0.014	0.021	0.012	0.009	0.006	0.004	0.011	0.009
4490	4820	5310	4648	4870	3180	3520	4710	2750	4900	5310
0.001	<0.001	<0.001	0.002	0.005	0.001	0.001	0.002	0.002	0.001	0.003
132	164.1	150	125	154	99.5	108	162.9	118	116	153
10.7	5.2	6.61	2.65	6.9	8.9	7.8	10.5	5.98	6.85	7.65
75	79	89	79.2	80	70.8	68.1	102	60	100	98
59.4	74.6	41.3	58.7	90.9	89.68	47.18	30.7	31.8	94.8	43.62
<0.2	<0.2	<0.2	<0.2	0	0	0	0	<0.2	<0.2	<0.2
<0.2	<0.2	<0.2	<0.2	0	0	0	0	<0.2	<0.2	<0.2
8.61	8.46	8.46	8.03	8.58	8.97	8.32	9.99	8.61	7.33	8.7
0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
0.53	0.389	0.42	0.4	0.34	2.48	0.59	1.07	1	1.672	2.62
140	141	178	129	145	112	116	188	1.36	100	152
<10	<10	<20	<10	none detected	none detected	nil	none detected	ND	Not detected	none detected
628	669	771	604	689	512	449	886	481	675	881
22	44	52	53	41	3	18	21	60	51	27

2465	3275	3611	2397	3312	2591	1900	3090	1745	2640	2810
2070	1730	1290	1560	0.005	2970	1900	3650	5390	4680	4.07
<10	<1	<1	none detected	none detected	none detected	nil	none detected	none detected	none detected	none detected



19/12/2014	3/09/2014	5/03/2014	30/08/2013	6/03/2013	19/09/2012	16/08/2012	20/03/2012	20/09/2011	Date
9:05	7:00	11:40	9:45	12:05	10:15	9:15			
Jesse Munro	Jesse Munro	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	RVC	RVC	
0.271	0.047	0.177	0.139	0.224	0.204	0.18	7.6	0.22	
14.1	23.4	2.3	42.1	4	5.6	2.1	15.9	66.4	
0.34	0.5	0.32	1.19	0.23	0.21	0.46	5.14	0.2	
6.82	5.86	6.9	7.01	6.62	6.81	6.8	7.14	6.9	
8.7	0.8	9.2	7.8	5.8	7.7	6.4	5.5	6.2	
none detected	none detected	none detected	none detected	<100	none detected	none detected	240	none detected	



19/12/2014	3/09/2014	5/03/2014	30/08/2013	6/03/2013	19/09/2012	16/08/2012	25/05/2012	20/09/2011	Date
10:15	8:10	12:30	11:05	13:10	11:40	10:25	11:35		
Jesse Munro	Jesse Munro	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	RVC	
0.178	0.15	44.889	0.081	0.112	0.085	0.11	0.014	0.19	
10.6	23.9	9.2	14.9	2.9	4.9	2.1	13.69	33.3	

0.37	0.25	48.24	0.21	0.13	0.15	0.48	1.785	<0.1
6.39	6.38	6.39	6.52	5.85	6.53	6.49	7.16	6.6
4	4.2	8.5	3.9	3.8	4.8	3.9	5.27	3.9

none detected	none detected	520	none detected	<100	none detected	not detected	none detected	none detected
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19/12/2014	3/09/2014	5/03/2014	30/08/2013	6/03/2013	19/09/2012	16/08/2012	25/05/2012	20/03/2012	20/09/2011
10:40	8:50	13:05	13:15	13:50	12:20	11:05	13:40		
Jesse Munro	Jesse Munro	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	RVC	RVC
0.212	0.295	3.58	0.026	0.031	0.011	0.02	5.159	0.09	0.1
6.1	12.2	1.6	10.1	5.4	2.8	1.1	9.935	7.2	30.9
0.27	0.38	4.07	0.08	0.09	0.07	0.3	5.469	0.26	0.14
6.61	7.09	6.75	6.79	6.63	6.63	6.66	7.62	7.26	7.4
3.1	4	3.5	2.6	2.7	3.7	2.5	4.95	3.3	3.1
none detected	none detected	none detected	none detected	none detected	none detected	not detected	240	none detected	none detected



19/12/2014	3/09/2014	5/03/2014	30/08/2013	6/03/2013	19/09/2012	16/08/2012	25/05/2012	20/03/2012	20/09/2011
11:00	9:30		11:45	14:30	12:50	11:40	14:55		
Jesse Munro	Jesse Munro	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	RVC	RVC
0.16	0.031	0.077	0.057	0.068	0.058	0.006	1.149	0.03	0.06

4.4	12.7	0.8	7.2	1.1	2.5	1	4.401	5.9	34.7
0.16	0.06	0.11	0.06	0.11	0.1	0.28	2.225	0.1	<0.1
6.72	7.41	6.72	6.82	6.56	6.72	6.74	7.23	6.84	7.3
3.5	1.7	3.3	3.6	3.5	4.5	3.6	3.55	4.1	3.9

none detected	none detected	none detected	none detected	none detected	none detected	not detected	none detected	none detected	none	detected
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19/12/2014	3/09/2014	5/03/2014	30/08/2013	6/03/2013	19/09/2012	16/08/2012	25/05/2012	20/03/2012	20/09/2011
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9:50	7:40	12:05	10:15	12:40	10:45	9:50	16:00		
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Jesse Munro	Jesse Munro	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	Mark Bayley	RVC	RVC
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0.014	0.031	0.007	0.02	0.024	0.031	0.1	0.062	ND	0.03
4.4	12.7	1.5	9.7	1.8	2.5	1.4	3.053	ND	12.4
0.18	0.06	0.11	0.09	0.05	0.13	0.35	0.093	ND	<0.1
5.94	7.41	6.04	6.08	8.25	6.07	6.06	7.29	ND	6.1
1.7	1.7	1.5	1.7	1.6	2.4	1.6	3.43	ND	1.6

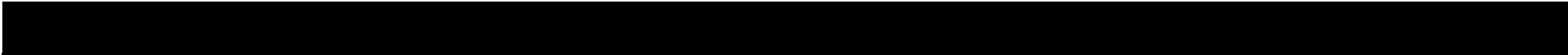
none detected	none detected	none detected	none detected	<100	none detected	not detected	none detected	ND	none detected
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28/02/2013	29/01/2013	29/01/2013	Date	Date	Date	Date
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RVC	RVC	RVC				
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0.374	1.755	0.034
0.086	0.002	0.196
18.9	37.3	6.2
64	56	47
0.075	0.008	0.082
430	580	240
0.051	0.008	0.075
14.2	21.5	13.2
6.52	6.32	6.89
10.8	12.8	5.1
0.332	0.042	0.031
0.28	8.358	0.015
7.35	7.24	7.03
8.7	15.6	4.4
150	210	165
52.7	48.6	32.6
17	62	6
15.2	18.5	18.3
71	66	50



28/02/2013	29/01/2013	29/01/2013	Date	Date	Date	Date
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RVC	RVC	RVC				
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0.491	0.557	0.118
0.001	0.001	0.002
78.4	62.3	27
46	80	32
0.002	0.003	0.005
830	850	410

0.013	0.009	0.009
12	24.1	30.8
7.02	6.61	7.15
25	19.2	7.5
0.048	0.033	0.021
4.723	15.889	5.93
7.46	7.23	7.5
18.3	18.7	18.4
186	330	177
69.5	72.9	37.8
89	102	18
15.4	18.9	18.6
41	108	54



13/12/2011	Date	Date	Date	Date	Date
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Nil detected



13/12/2011	Date	Date	Date	Date	Date
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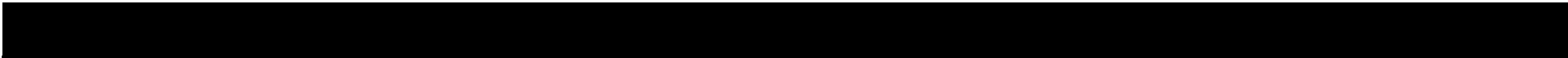
Nil detected





16/12/2013	30/08/2013	19/06/2013	6/03/2013	4/12/2012	19/09/2012	25/05/2012	20/03/2012	13/12/2011	20/09/2011
8:25 Mark Bayley	13:30 Mark Bayley	9:30 Mark Bayley	9:15 Mark Bayley	11:25 Mark Bayley	11:25 Mark Bayley	13:40 Richmond Valley	13:40 Richmond Valley	Richmond Valley Council	Richmond Valley Council
2.6	25.54	15.18	2.99	17.8	32.78	23.52	9.9	31	36.2
0.012	0.005	0.003	0.005	0.006	0.007	0.007	<0.005	<0.005	<0.005
400	610	510	420	580	740	690	441	789	661
36	66	58	36	46.2	56.5	56	28.3	41.6	36.9
715	574	486	497	624	751	529	487.84	855	835.8
0.005	0.004	0.004	0.005	0.006	0.007	<0.001	0.006	0.014	0.016
2910	2780	2520	2300	3041	3783	785	2280	3930	3750
0.003	0.001	0.001	0.002	0.002	<0.001	0.001	<0.005	<0.005	<0.005
93.6	63.4	55.7	65	79.5	94	107	87.5	155.1	96.6
7.25	13.5	6.5	7.2	6.67	6.13	16.37	ND	5.90%	9.22%
59	37	56	52	66	80	69	55	75	82.7
16.15	35.52	27.79	9.68	22.72	35.76	46.81	18.4	43.4	53.9
<0.2	<2.0	<1	<0.2	<0.2	<0.2	<0.002	none detected	none detected	<200
<0.3	<2.0	<0.2	<0.2	<0.2	<0.2	<0.002	none detected	none detected	<200
8.93	8.35	7.55	8.29	8.24	8.19	8.83	8.39	8.4	8.8
<0.2	0.23	<0.01	<0.2	<0.2	<0.2	<0.01	<0.05	<0.05	<0.05
0.91	0.23	0.14	0.21	0.37	0.52	2.25	0.8	0.56	0.41
96	83	76	99	108.5	118	109	96.4	149	122
none detected	none detected	none detected	none detected	none detected	none detected	none detected	0.013	none detected	none detected
432	424	350	377	431	486	309	310	579	519
30	31	29	13	16	19	14	6	<5	16.43

1792	1600	1714	1564	1992	2421	1,724	1459	2515	2400
0.244	1.68	1.7	0.93	1.97	3.01	4.51	2.35	2.53	2.82
none							none		
detected	none detected	none detected	none detected	none detected	none detected	none detected	detected	none detected	none detected



Date



Date