

NH₃

Cumulative assessment including proposed biofilter stack and Bedminster site stack

Emission Temperature at Biofilter 293K

PROCESS CONTRIBUTIONS

RECEPTOR	X	Y	ADDRESS	NH ₃ 1 HOUR	NH ₃ ANNUAL	SHORT TERM		LONG TERM	
						PC/EAL	PC/EAL	PC/EAL	PC/EAL
1	368300.00	374430.00	Youth club	24.97	0.51	1.00	0.28		
2	368199.56	374531.31	3 Works Lane	26.10	0.84	1.04	0.47		
3	368383.81	374544.13	Grove Cottage	22.89	0.40	0.92	0.22		
4	368318.28	374602.00	190 Manchester Road	22.18	0.52	0.89	0.29		
5	368337.75	374661.28	353a Manchester Road	19.61	0.50	0.78	0.28		
6	368251.09	374612.19	323 Manchester Road	23.78	0.68	0.95	0.38		
7	368070.00	374615.16	21 Victoria Street	26.91	0.77	1.08	0.43		
8	368014.78	374532.63	241 Manchester Road	27.66	0.90	1.11	0.50		
9	367932.19	374486.09	217 Manchester Road	24.58	0.91	0.98	0.50		
10	367637.75	373997.94	Proposed site	10.74	0.36	0.43	0.20		
11	367667.44	373723.63	Proposed site	9.47	0.22	0.38	0.12		
12	367756.53	373587.38	Proposed site	8.59	0.17	0.34	0.09		
13	368058.50	373571.28	20 St. John's Close	14.64	0.15	0.59	0.09		
14	367451.31	373740.66	38 James Street	6.74	0.15	0.27	0.08		
15	368975.88	375082.94	11 St. John's Avenue	13.52	0.10	0.54	0.06		
16	368549.19	374181.19	Griffiths Road	16.28	0.33	0.65	0.18		
17	367664.16	374399.78	2 Ann Street	27.60	0.63	1.10	0.35		

Emission Temperature at Biofilter 313K

PROCESS CONTRIBUTIONS

RECEPTOR	X	Y	ADDRESS	NH ₃ 1 HOUR	NH ₃ ANNUAL	SHORT TERM		LONG TERM	
						PC/EAL	PC/EAL	PC/EAL	PC/EAL
1	368300.00	374430.00	Youth club	16.53	0.41	0.66	0.23		
2	368199.56	374531.31	3 Works Lane	14.76	0.69	0.59	0.38		
3	368383.81	374544.13	Grove Cottage	14.71	0.32	0.59	0.18		
4	368318.28	374602.00	190 Manchester Road	14.72	0.43	0.59	0.24		
5	368337.75	374661.28	353a Manchester Road	14.26	0.41	0.57	0.23		
6	368251.09	374612.19	323 Manchester Road	13.22	0.56	0.53	0.31		
7	368070.00	374615.16	21 Victoria Street	13.12	0.62	0.52	0.34		
8	368014.78	374532.63	241 Manchester Road	12.92	0.71	0.52	0.40		
9	367932.19	374486.09	217 Manchester Road	13.10	0.70	0.52	0.39		
10	367637.75	373997.94	Proposed site	5.52	0.27	0.22	0.15		
11	367667.44	373723.63	Proposed site	5.55	0.16	0.22	0.09		
12	367756.53	373587.38	Proposed site	4.35	0.12	0.17	0.07		
13	368058.50	373571.28	20 St. John's Close	7.72	0.11	0.31	0.06		
14	367451.31	373740.66	38 James Street	4.20	0.11	0.17	0.06		
15	368975.88	375082.94	11 St. John's Avenue	7.74	0.08	0.31	0.04		
16	368549.19	374181.19	Griffiths Road	12.99	0.28	0.52	0.15		
17	367664.16	374399.78	2 Ann Street	14.39	0.45	0.58	0.25		