

**APPENDIX 1**

**AIR QUALITY MONITORING DATA**

THIS PAGE LEFT BLANK INTENTIONALLY

**2009 - 2010 High Volume Air Sampler TSP Results**

Date	Event	Site 1 TSP			Site 2 TSP			Site 3 TSP			Site 8 TSP		
		Site 1 TSP Result	Site 1 Rolling Annual Average	Site 1 Data Recovery	Site 1 TSP Result	Site 2 Rolling Annual Average	Site 2 Data Recovery	Site 3 TSP Result	Site 3 Rolling Annual Average	Site 3 Data Recovery	Site 8 TSP Result	Site 8 Rolling Annual Average	Site 8 Data Recovery
3/09/2009	1	103	112	100	110	90	100.0	88	98	100.0	94	94	100.0
9/09/2009	2	178	114	100	71	90	100.0	102	99	100.0	114	95	100.0
15/09/2009	3	137	114	100	111	91	100.0	127	100	100.0	123	96	100.0
21/09/2009	4	99	112	100	133	90	100.0	153	99	100.0	134	95	100.0
27/09/2009	5	174	112	100	104	90	100.0	127	100	100.0	127	95	100.0
3/10/2009	6	55	108	100	43	87	100.0	44	97	100.0	49	93	100.0
9/10/2009	7	57	108	100	47	86	100.0	37	96	100.0	47	92	100.0
15/10/2009	8	251	110	100	132	87	100.0	131	96	100.0	180	94	100.0
21/10/2009	9	240	111	100	159	87	100.0	174	96	100.0	170	94	100.0
27/10/2009	10	37	109	100	39	86	100.0	39	95	100.0	36	93	100.0
2/11/2009	11	176	111	100	158	87	100.0	153	96	100.0	162	94	100.0
8/11/2009	12	17	109	100	14	86	100.0	30	94	100.0	22	92	100.0
14/11/2009	13	96	109	100	93	86	100.0	90	94	100.0	81	92	100.0
20/11/2009	14	271	113	100	211	89	100.0	159	96	100.0	183	95	100.0
26/11/2009	15	113	113	100	109	90	100.0	111	96	100.0	97	95	100.0
2/12/2009	16	46	111	100	48	88	100.0	63	94	100.0	52	94	100.0
8/12/2009	17	284	115	100	187	91	100.0	202	96	100.0	208	96	100.0
14/12/2009	18	113	115	100	102	91	100.0	121	97	100.0	115	97	100.0
20/12/2009	19	56	114	100	53	91	100.0	57	96	100.0	56	96	100.0
26/12/2009	20	16	113	100	15	91	100.0	19	96	100.0	17	96	100.0
1/01/2010	21	123	113	100	88	90	100.0	90	94	100.0	71	95	100.0
7/01/2010	22	40	110	100	33	88	100.0	48	92	100.0	44	93	100.0
13/01/2010	23	173	112	100	119	89	100.0	140	92	100.0	150	94	100.0
19/01/2010	24	244	115	100	144	91	100.0	185	94	100.0	186	97	100.0
25/01/2010	25	116	114	100	109	90	100.0	109	93	100.0	104	97	100.0
31/01/2010	26	47	114	100	37	90	100.0	47	92	100.0	36	96	100.0
6/02/2010	27	24	112	100	24	88	100.0	25	90	100.0	21	94	100.0
12/02/2010	28	200	115	100	173	90	100.0	138	91	100.0	156	96	100.0
18/02/2010	29	60	115	100	52	91	100.0	79	92	100.0	65	96	100.0
24/02/2010	30	90	115	100	82	90	100.0	92	92	100.0	88	96	100.0
2/03/2010	31	55	114	100	42	89	100.0	51	91	100.0	51	96	100.0
8/03/2010	32	150	114	100	115	89	100.0	82	90	100.0	108	95	100.0
14/03/2010	33	22	113	100	21	88	100.0	29	89	100.0	22	95	100.0
20/03/2010	34	145	114	100	160	89	100.0	147	90	100.0	140	95	100.0
26/03/2010	35	196	115	100	149	88	100.0	132	90	100.0	134	95	100.0
1/04/2010	36	61	116	100	67	89	100.0	60	90	100.0	58	96	100.0
7/04/2010	37	56	116	100	71	90	100.0	40	90	100.0	48	96	100.0
13/04/2010	38	125	117	100	120	91	100.0	110	91	100.0	109	97	100.0
19/04/2010	39	60	117	100	58	91	100.0	62	92	100.0	59	97	100.0
25/04/2010	40	82	115	100	77	90	100.0	69	91	100.0	78	96	100.0
1/05/2010	41	45	115	100	32	89	100.0	41	91	100.0	50	96	100.0
7/05/2010	42	164	117	100	128	90	100.0	138	92	100.0	168	97	100.0
13/05/2010	43	195	118	100	206	92	100.0	133	92	100.0	157	98	100.0
19/05/2010	44	97	118	100	113	92	100.0	94	91	100.0	94	97	100.0
25/05/2010	45	27	117	100	28	91	100.0	42	90	100.0	32	97	100.0
31/05/2010	46	39	117	100	22	91	100.0	28	90	100.0	38	97	100.0
6/06/2010	47	63	116	100	41	91	100.0	42	90	100.0	50	96	100.0
12/06/2010	48	110	115	100	64	91	100.0	88	90	100.0	90	96	100.0
18/06/2010	49	126	117	100	61	91	100.0	69	90	100.0	101	96	100.0
24/06/2010	50	92	118	100	73	91	100.0	52	90	100.0	78	97	100.0
30/06/2010	51	148	118	100	107	92	100.0	109	91	100.0	122	97	100.0
6/07/2010	52	132	117	100	58	91	100.0	88	91	100.0	111	97	100.0
12/07/2010	53	22	117	100	16	90	100.0	20	91	100.0	20	97	100.0
18/07/2010	54	60	117	100	41	90	100.0	56	91	100.0	56	96	100.0
24/07/2010	55	79	116	100	68	90	100.0	86	92	100.0	70	96	100.0
30/07/2010	56	63	115	100	53	89	100.0	44	91	100.0	56	96	100.0
5/08/2010	57	151	114	100	95	89	100.0	95	91	100.0	110	95	100.0
11/08/2010	58	61	114	100	62	88	100.0	44	89	100.0	47	94	100.0
17/08/2010	59	122	112	100	107	87	100.0	87	89	100.0	95	93	100.0
23/08/2010	60	73	111	100	43	86	100.0	46	88	100.0	59	92	100.0
29/08/2010	61	119	108	100		85	99.2	87	86	100.0	101	90	100.0

**2009 – 2010 Tapered Element Oscillating Microbalance (TEOM) PM10 Results**

Date	Site 1		Site 2		Site 3		Site 8		Site4		Site 7		Ashton Contribution (only calculated for north westerly winds)				
	Site 1 – PM10 24hr Average	Site 1 – PM10 Rolling Annual Average	Site 2 – PM10 24hr Average	Site 2 – PM10 Rolling Annual Average	Site 3 – PM10 24hr Average	Site 3 – PM10 Rolling Annual Average	Site 8 – PM10 24hr Average	Site 8 – PM10 Rolling Annual Average	Site 4 – PM10 24hr Average	Site 4 – PM10 Rolling Annual Average	Site 7 – PM10 24hr Average	Site 7 – PM10 Rolling Annual Average	Wind Direction	Site 1 Ashton Contribution	Site 2 Ashton Contribution	Site 3 Ashton Contribution	Site 8 Ashton Contribution
02-Sep-09	23.9	29	20.6	20	31	27	27	25	30	29	26	24	SE	0	0	0	0
03-Sep-09	28.2	30	26.5	20	31	27	31	25	34	29	38	24	SE	0	0	0	0
04-Sep-09	14.8	30	13.9	20	10	27	15	25	16	29	12	24	NW	3	2	0	3
05-Sep-09	8.1	30	8.1	20	8	27	12	25	7	29	11	24	SE	0	0	0	0
06-Sep-09	13.5	30	11.4	20	12	27	16	25	14	29	14	24	NW	0	0	0	2
07-Sep-09	33.8	30	20.6	20	20	27	35	25	23	29	26	24	NW	11	0	0	11
08-Sep-09	32.8	30	15.3	20	25	27	29	25	25	29	13	24	NW	20	2	12	16
09-Sep-09	39.2	30	11.3	20	24	27	33	25	20	29	10	24	NW	29	1	14	23
10-Sep-09	46.1	30	14.6	20	26	27	39	25	24	29	15	24	NW	31	0	11	24
11-Sep-09	30.9	30	20.1	20	25	27	30	25	26	29	20	24	NW	11	0	5	11
12-Sep-09	38.9	30	23.7	20	31	27	39	25	34	29	26	24	NW	13	0	5	13
13-Sep-09	40.4	30	25.7	20	32	27	41	26	35	29	22	24	NW	18	3	10	19
14-Sep-09	53.7	30	37.3	20	49	27	55	26	51	29	50	24	SE	0	0	0	0
15-Sep-09	40.7	30	31.2	20	43	27	40	26	43	29	41	24	SE	0	0	0	0
16-Sep-09	26.4	30	25.4	20	27	27	30	26	37	29	28	24	SE	0	0	0	0
17-Sep-09	56.1	30	38.8	20	34	27	44	26	37	29	30	24	NW	26	9	4	14
18-Sep-09	35.8	30	15.5	20	21	27	27	26	24	29	18	24	NW	18	0	3	9
19-Sep-09	24.6	30	13.9	19	20	27	23	26	18	28	16	24	SW	0	0	0	0
20-Sep-09	24.0	29	16.4	19	20	26	22	26	20	28	19	24	NW	5	0	1	3
21-Sep-09	15.2	29	16.4	19	18	26	17	26	19	28	16	24	SE	0	0	0	0
22-Sep-09	41.2	29	24.1	19	24	26	31	26	30	28	19	24	NW	22	5	5	12
23-Sep-09	CT1756.01	29	CT1381.61	19	CT1575.35	26	CT1740.82	26	CT1086.91	28	CT1503.2	24	NW	0	0	0	0
24-Sep-09	50.2	30	18.9	19	44	26	58	26	31	28	26	24	NW	25	0	19	32
25-Sep-09	40.5	30	21.6	19	28	27	39	26	31	28	22	24	NW	19	0	7	17
26-Sep-09	CT161.79	30	CT88.13	19	CT267.46	27	CT200.99	26	CT164.05	28	CT127.99	24	NW	0	0	0	0
27-Sep-09	43.7	30	10.7	19	38	27	39	26	25	28	18	24	NW	26	0	20	21
28-Sep-09	41.2	29	16.7	19	39	27	41	26	37	28	20	24	NW	22	0	20	21
29-Sep-09	30.9	30	13.1	19	37	27	32	26	27	28	18	24	NW	13	0	19	15
30-Sep-09	27.9	30	14.3	19	11	27	25	26	24	28	17	24	NW	11	0	0	7
01-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	SW	0	0	0	0
02-Oct-09	N/A	29	N/A	19	N/A	26	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
03-Oct-09	N/A	29	N/A	19	N/A	26	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
04-Oct-09	N/A	29	N/A	19	N/A	26	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
05-Oct-09	N/A	29	N/A	19	N/A	26	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
06-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
07-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
08-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
09-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
10-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
11-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	SE	0	0	0	0
12-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
13-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
14-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
15-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
16-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	SW	0	0	0	0
17-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
18-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NE	0	0	0	0
19-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
20-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
21-Oct-09	N/A	29	N/A	19	N/A	27	N/A	26	N/A	28	N/A	24	NW	0	0	0	0
22-Oct-09	36	29	27	19	38	27	31	26	37	28	58	24	SE	0	0	0	0
23-Oct-09	59	30	42	19	50	27	50	26	45	29	40	24	NW	19	3	10	11
24-Oct-09	30	30	26	19	30	27	29	26	29	29	39	24	SE	0	0	0	0
25-Oct-09	19	30	18	19	19	27	19	26	23	28	23	24	SE	0	0	0	0
26-Oct-09	9	30	8	19	8	27	8	26	8	28	11	24	SE	0	0	0	0
27-Oct-09	12	29	9	19	12	27	11	26	12	28	15	24	SE	0	0	0	0
28-Oct-09	22	29	19	19	19	27	20	26	19	28	20	24	NW	3	0	0	0
29-Oct-09	15	29	10	19	16	27	13	26	18	28	19	24	SE	0	0	0	0
30-Oct-09	14	29	12	19	16	27	14	26	19	28	17	24	SE	0	0	0	0
31-Oct-09	10	29	8	19	11	27	10	26	14	28	16	24	SE	0	0	0	0
01-Nov-09	13	29	10	19	12	27	14	26	17	28	12	24	SW	0	0	0	0

**2009 – 2010 Tapered Element Oscillating Microbalance (TEOM) PM10 Results**

Date	Site 1		Site 2		Site 3		Site 8		Site4		Site 7		Ashton Contribution (only calculated for north westerly winds)				
	Site 1 – PM10 24hr Average	Site 1 – PM10 Rolling Annual Average	Site 2 – PM10 24hr Average	Site 2 – PM10 Rolling Annual Average	Site 3 – PM10 24hr Average	Site 3 – PM10 Rolling Annual Average	Site 8 – PM10 24hr Average	Site 8 – PM10 Rolling Annual Average	Site 4 – PM10 24hr Average	Site 4 – PM10 Rolling Annual Average	Site 7 – PM10 24hr Average	Site 7 – PM10 Rolling Annual Average	Wind Direction	Site 1 Ashton Contribution	Site 2 Ashton Contribution	Site 3 Ashton Contribution	Site 8 Ashton Contribution
02-Nov-09	45	29	33	19	42	27	45	26	43	28	37	24	NW	8	0	6	8
03-Nov-09	78	29	45	19	49	27	60	26	48	28	37	24	NW	41	8	12	22
04-Nov-09	42	29	35	19	45	27	44	26	48	28	55	24	SE	0	0	0	0
05-Nov-09	26	29	22	19	30	27	27	26	36	28	42	24	SE	0	0	0	0
06-Nov-09	8	29	8	19	9	27	9	26	11	28	13	24	SE	0	0	0	0
07-Nov-09	11	29	10	19	12	27	10	26	14	28	19	24	SE	0	0	0	0
08-Nov-09	5	29	5	19	6	27	5	26	8	28	9	24	SE	0	0	0	0
09-Nov-09	8	29	7	19	13	27	7	26	14	28	21	24	SE	0	0	0	0
10-Nov-09	25	29	18	19	24	27	24	26	27	28	23	24	SE	0	0	0	0
11-Nov-09	26	29	21	19	29	27	26	26	32	28	39	24	SE	0	0	0	0
12-Nov-09	37	29	25	19	33	27	30	26	38	28	27	24	NW	10	0	6	3
13-Nov-09	19	29	17	19	25	27	20	26	26	28	25	24	SE	0	0	0	0
14-Nov-09	22	29	18	19	22	27	20	26	26	28	19	24	SE	0	0	0	0
15-Nov-09	29	29	23	19	28	27	28	26	42	28	37	24	SE	0	0	0	0
16-Nov-09	54	29	35	19	43	27	45	26	46	28	39	24	SE	0	0	0	0
17-Nov-09	38	29	30	19	46	27	37	26	53	28	58	24	SE	0	0	0	0
18-Nov-09	20	29	16	19	26	27	21	26	34	28	35	24	SE	0	0	0	0
19-Nov-09	44	29	31	19	36	27	35	26	41	28	30	24	NE	0	0	0	0
20-Nov-09	80	29	45	19	63	27	67	26	69	28	52	24	NW	28	0	11	15
21-Nov-09	44	29	36	19	46	27	45	26	47	28	57	24	SE	0	0	0	0
22-Nov-09	117	29	78	19	87	27	109	26	79	29	70	24	NW	47	8	18	39
23-Nov-09	46	29	35	20	58	27	49	26	52	29	55	24	SE	0	0	0	0
24-Nov-09	13	29	8	19	13	27	14	26	16	29	14	24	SE	0	0	0	0
25-Nov-09	18	29	N/A	19	21	27	18	26	22	29	24	24	SE	0	N/A	0	0
26-Nov-09	24	29	20	19	27	27	24	26	33	29	28	24	SE	0	0	0	0
27-Nov-09	71	29	33	19	52	27	65	26	47	29	38	24	NW	33	0	14	27
28-Nov-09	CT115.91	29	CT84.96	19	CT130	27	CT109.01	26	CT100.87	29	CT77.03	24	NW	0	0	0	0
29-Nov-09	CT333.81	29	CT231.7	20	CT342.68	27	CT361.8	26	CT312.51	29	CT252.35	24	NW	0	0	0	0
30-Nov-09	33	29	24	20	35	27	34	26	35	29	36	24	SE	0	0	0	0
01-Dec-09	13	29	11	20	13	27	13	26	14	29	20	24	SE	0	0	0	0
02-Dec-09	12	29	11	19	16	27	14	26	15	29	17	24	SE	0	0	0	0
03-Dec-09	13	29	12	19	17	27	14	26	14	28	31	24	SE	0	0	0	0
04-Dec-09	63	29	36	19	53	27	58	26	55	29	56	24	SE	0	0	0	0
05-Dec-09	35	29	29	20	36	27	34	26	36	29	46	24	SE	0	0	0	0
06-Dec-09	25	29	21	19	28	27	25	26	28	29	36	24	SE	0	0	0	0
07-Dec-09	56	29	22	20	35	27	38	26	33	29	25	24	NE	0	0	0	0
08-Dec-09	81	30	48	20	72	27	74	26	53	29	54	24	SE	0	0	0	0
09-Dec-09	28	30	20	20	32	27	26	26	27	29	33	24	SE	0	0	0	0
10-Dec-09	55	30	48	20	51	27	49	26	47	29	49	24	NW	8	1	4	2
11-Dec-09	80	30	32	20	54	27	77	26	39	29	32	24	SW	0	0	0	0
12-Dec-09	35	30	25	20	34	27	35	26	35	29	37	24	SE	0	0	0	0
13-Dec-09	32	30	24	20	34	27	32	26	37	29	44	24	SE	0	0	0	0
14-Dec-09	23	30	18	20	29	27	25	26	30	29	44	24	SE	0	0	0	0
15-Dec-09	16	30	13	20	24	27	16	26	22	29	30	24	SE	0	0	0	0
16-Dec-09	29	30	23	20	28.7	27	27	26	30	29	30	24	SE	0	0	0	0
17-Dec-09	71	30	50	20	53.4	27	57	26	48	29	40	25	NW	31	10	13	17
18-Dec-09	30	30	25	20	33.6	27	32	26	39	29	28	25	NW	2	0	5	4
19-Dec-09	18	30	12	20	20.6	27	15	26	12	29	17	24	SE	0	0	0	0
20-Dec-09	19	30	16	20	18.8	27	18	26	19	29	26	24	NE	0	0	0	0
21-Dec-09	25	30	20	20	29.1	27	28	26	30	29	22	24	SE	0	0	0	0
22-Dec-09	36	30	22	20	N/A	27	30	26	26	29	19	24	NW	18	3	N/A	11
23-Dec-09	30	30	23	20	N/A	27	33	26	34	29	27	24	SE	0	0	N/A	0
24-Dec-09	22	30	17	20	N/A	27	23	26	25	29	31	24	SE	0	0	N/A	0
25-Dec-09	15	30	13	20	N/A	27	15	26	19	29	18	24	SE	0	0	N/A	0
26-Dec-09	6	30	5	20	N/A	27	5	26	6	29	6	24	NE	0	0	N/A	0
27-Dec-09	8	30	7	20	N/A	27	8	26	9	29	9	24	SE	0	0	N/A	0
28-Dec-09	9	30	8	20	N/A	27	8	26	10	29	11	24	SE	0	0	N/A	0
29-Dec-09	13	30	11	20	N/A	27	11	26	14	29	15	24	NE	0	0	N/A	0
30-Dec-09	13	30	10	20	14.4	27	12	26	13	29	17	24	SE	0	0	0	0
31-Dec-09	8	29	7	20	6.9	27	8	26	8	29	10	24	SE	0	0	0	0
01-Jan-10	25	29	13	20	16	27	20	26	18	29	17	24	SW	0	0	0	0

**2009 – 2010 Tapered Element Oscillating Microbalance (TEOM) PM10 Results**

Date	Site 1		Site 2		Site 3		Site 8		Site4		Site 7		Ashton Contribution (only calculated for north westerly winds)				
	Site 1 – PM10 24hr Average	Site 1 – PM10 Rolling Annual Average	Site 2 – PM10 24hr Average	Site 2 – PM10 Rolling Annual Average	Site 3 – PM10 24hr Average	Site 3 – PM10 Rolling Annual Average	Site 8 – PM10 24hr Average	Site 8 – PM10 Rolling Annual Average	Site 4 – PM10 24hr Average	Site 4 – PM10 Rolling Annual Average	Site 7 – PM10 24hr Average	Site 7 – PM10 Rolling Annual Average	Wind Direction	Site 1 Ashton Contribution	Site 2 Ashton Contribution	Site 3 Ashton Contribution	Site 8 Ashton Contribution
02-Jan-10	13	29	10	20	10	27	11	26	13	28	16	24	NW	0	0	0	0
03-Jan-10	15	29	12	20	14	27	13	26	15	28	19	24	SE	0	0	0	0
04-Jan-10	18	29	15	20	19	27	17	26	20	28	24	24	NE	0	0	0	0
05-Jan-10	24	29	19	20	23	27	27	26	27	28	23	24	SE	0	0	0	0
06-Jan-10	34	29	23	20	27	27	34	26	31	28	27	24	SE	0	0	0	0
07-Jan-10	23	29	19	20	24	27	22	26	N/A	28	28	24	SE	0	0	0	0
08-Jan-10	20	29	16	20	21	27	20	26	N/A	28	27	24	SE	0	0	0	0
09-Jan-10	29	29	21	20	26	27	26	26	N/A	28	24	24	NW	5	0	2	2
10-Jan-10	41	29	29	20	45	27	44	26	N/A	28	42	24	NW	0	0	3	2
11-Jan-10	23	29	19	20	23	27	23	26	20	28	26	24	SE	0	0	0	0
12-Jan-10	36	29	28	20	33	27	33	26	40	28	31	24	SE	0	0	0	0
13-Jan-10	48	29	31	20	45	27	46	26	52	28	49	24	SW	0	0	0	0
14-Jan-10	12	29	9	20	11	27	11	26	N/A	28	17	24	SE	0	0	0	0
15-Jan-10	17	29	14	20	18	27	16	26	N/A	28	19	24	NE	0	0	0	0
16-Jan-10	20	29	17	20	18	27	19	26	N/A	28	21	24	SE	0	0	0	0
17-Jan-10	49	29	26	20	34	27	41	26	N/A	28	31	24	NW	18	0	3	9
18-Jan-10	73	29	21	20	42	27	54	26	N/A	28	31	24	NE	0	0	0	0
19-Jan-10	68	29	34	20	48	27	62	26	37	28	35	24	NW	33	0	13	27
20-Jan-10	73	29	36	20	57	27	59	26	73	28	34	24	NW	39	1	23	25
21-Jan-10	58	29	42	20	52	27	59	26	55	28	43	24	NW	15	0	9	16
22-Jan-10	49	29	35	20	36	27	44	26	44	28	40	24	SE	0	0	0	0
23-Jan-10	93	29	48	20	48	27	74	26	57	28	46	24	NW	47	2	2	28
24-Jan-10	34	29	27	20	32	27	33	26	36	28	39	24	SE	0	0	0	0
25-Jan-10	32	29	26	20	32	27	33	26	34	28	37	24	SE	0	0	0	0
26-Jan-10	N/A	30	27	20	30	27	39	26	34	28	29	24	SE	N/A	0	0	0
27-Jan-10	23	30	22	20	26	27	24	26	29	28	37	24	SE	0	0	0	0
28-Jan-10	17	30	15	20	17	27	18	26	20	28	24	24	SE	0	0	0	0
29-Jan-10	26	30	20	20	22	27	24	26	27	28	27	24	NW	0	0	0	0
30-Jan-10	17	30	14	20	16	27	17	26	19	28	22	24	SE	0	0	0	0
31-Jan-10	12	29	8	20	9	27	9	26	13	28	12	24	SE	0	0	0	0
01-Feb-10	18	29	14	20	21	27	19	26	21	28	30	24	SE	0	0	0	0
02-Feb-10	19	29	13	20	23	27	18	26	24	28	29	24	SE	0	0	0	0
03-Feb-10	14	29	11	20	14	27	15	26	15	28	17	24	SE	0	0	0	0
04-Feb-10	12	29	9	20	N/A	27	12	26	12	28	18	24	SE	0	0	N/A	0
05-Feb-10	14	29	12	20	10	26	14	26	13	28	16	24	SE	0	0	0	0
06-Feb-10	3	29	9	20	8	26	10	26	12	28	11	24	SE	0	0	0	0
07-Feb-10	N/A	29	7	20	7	26	7	26	9	28	10	24	SE	N/A	0	0	0
08-Feb-10	N/A	29	12	20	14	26	14	26	16	28	21	24	SE	N/A	0	0	0
09-Feb-10	14	29	11	20	14	26	14	26	15	27	20	24	SE	0	0	0	0
10-Feb-10	19	29	15	20	19	26	19	26	22	27	20	24	SE	0	0	0	0
11-Feb-10	28	29	23	20	23	26	27	26	30	27	24	24	SE	0	0	0	0
12-Feb-10	54	29	30	20	39	26	46	26	45	28	28	24	NW	25	1	11	18
13-Feb-10	16	29	13	20	15	26	16	26	17	28	16	24	SE	0	0	0	0
14-Feb-10	7	29	17	20	18	26	2	26	20	28	N/A	24	NW	0	0	0	0
15-Feb-10	24	30	11	20	20	26	N/A	26	22	28	1	24	NW	23	10	19	N/A
16-Feb-10	16	30	13	20	17	26	16	26	17	28	18	24	SE	0	0	0	0
17-Feb-10	20	30	15	20	20	26	20	26	22	28	22	24	SE	0	0	0	0
18-Feb-10	17	30	13	20	22	26	18	26	22	28	27	24	SE	0	0	0	0
19-Feb-10	15	30	11	20	16	26	15	26	17	28	19	24	SE	0	0	0	0
20-Feb-10	16	30	13	20	16	26	16	26	16	28	15	24	SE	0	0	0	0
21-Feb-10	21	30	16	20	18	26	19	26	22	28	13	24	NW	8	3	5	6
22-Feb-10	50	30	29	20	41	26	50	26	41	28	24	24	NW	27	6	17	26
23-Feb-10	46	30	29	20	43	26	45	26	44	28	40	24	NW	6	0	3	4
24-Feb-10	26	30	19	20	25	26	25	26	25	28	30	24	SE	0	0	0	0
25-Feb-10	23	30	16	20	28	26	22	26	22	28	28	24	SE	0	0	0	0
26-Feb-10	17	30	11	20	18	26	16	26	20	28	18	24	SE	0	0	0	0
27-Feb-10	16	30	13	20	19	26	18	26	22	28	17	24	SE	0	0	0	0
28-Feb-10	25	29	18	20	24	26	25	26	25	28	18	24	NW	6	0	5	7
01-Mar-10	16	29	12	20	16	26	15	26	16	28	15	24	SE	0	0	0	0
02-Mar-10	14	29	9	19	15	26	14	26	18	28	23	24	SE	0	0	0	0
03-Mar-10	11	29	8	19	14	26	12	26	14	27	24	24	SE	0	0	0	0

**2009 – 2010 Tapered Element Oscillating Microbalance (TEOM) PM10 Results**

Date	Site 1		Site 2		Site 3		Site 8		Site4		Site 7		Ashton Contribution (only calculated for north westerly winds)				
	Site 1 – PM10 24hr Average	Site 1 – PM10 Rolling Annual Average	Site 2 – PM10 24hr Average	Site 2 – PM10 Rolling Annual Average	Site 3 – PM10 24hr Average	Site 3 – PM10 Rolling Annual Average	Site 8 – PM10 24hr Average	Site 8 – PM10 Rolling Annual Average	Site 4 – PM10 24hr Average	Site 4 – PM10 Rolling Annual Average	Site 7 – PM10 24hr Average	Site 7 – PM10 Rolling Annual Average	Wind Direction	Site 1 Ashton Contribution	Site 2 Ashton Contribution	Site 3 Ashton Contribution	Site 8 Ashton Contribution
04-Mar-10	11	29	8	19	13	26	11	26	12	27	14	24	SE	0	0	0	0
05-Mar-10	12	29	11	19	14	26	14	26	16	27	11	24	SW	0	0	0	0
06-Mar-10	14	29	8	19	9	26	10	26	11	27	10	23	SE	0	0	0	0
07-Mar-10	9	29	7	19	10	26	9	26	11	27	11	23	SE	0	0	0	0
08-Mar-10	28	29	18	19	17	26	23	26	19	27	15	23	NW	13	3	2	8
09-Mar-10	55	29	19	19	32	26	43	26	34	27	18	23	NW	37	1	13	24
10-Mar-10	18	29	15	19	17	26	21	26	26	27	19	23	SE	0	0	0	0
11-Mar-10	14	29	12	19	14	26	13	26	20	27	25	23	SE	0	0	0	0
12-Mar-10	14	29	11	19	16	26	17	26	19	27	26	23	SE	0	0	0	0
13-Mar-10	7	29	7	19	7	26	7	26	7	27	11	23	SE	0	0	0	0
14-Mar-10	5	29	5	19	5	26	5	26	6	27	7	23	SE	0	0	0	0
15-Mar-10	11	29	10	19	12	26	12	26	14	27	13	23	SE	0	0	0	0
16-Mar-10	12	29	13	19	14	25	12	26	13	27	16	23	SE	0	0	0	0
17-Mar-10	16	29	16	19	15	25	18	26	17	27	24	23	SE	0	0	0	0
18-Mar-10	21	29	16	19	20	25	23	26	23	27	23	23	SE	0	0	0	0
19-Mar-10	27	29	19	19	24	25	25	26	25	27	18	23	NW	9	2	7	8
20-Mar-10	31	29	26	19	36	25	52	26	47	27	24	23	NW	7	2	12	28
21-Mar-10	51	29	41	19	33	26	50	26	34	27	25	23	NW	26	16	8	25
22-Mar-10	33	29	27	19	34	26	37	26	39	27	42	23	SE	0	0	0	0
23-Mar-10	30	29	20	19	27	26	27	26	36	27	24	23	SE	0	0	0	0
24-Mar-10	27	29	25	19	30	26	30	26	41	27	41	23	SE	0	0	0	0
25-Mar-10	24	29	19	19	28	25	24	26	33	27	30	23	SE	0	0	0	0
26-Mar-10	41	29	22	19	27	25	31	26	36	27	21	23	NW	20	1	6	10
27-Mar-10	38	29	32	19	47	25	45	26	49	27	46	23	SE	0	0	0	0
28-Mar-10	41	29	24	19	26	25	26	26	28	27	29	23	SE	0	0	0	0
29-Mar-10	28	29	20	19	32	26	28	26	39	27	25	23	SE	0	0	0	0
30-Mar-10	8	29	8	19	10	25	8	26	11	27	11	23	SE	0	0	0	0
31-Mar-10	5	29	5	19	5	25	4	26	5	27	6	23	SE	0	0	0	0
01-Apr-10	12	29	11	19	12	25	11	26	12	27	13	23	SE	0	0	0	0
02-Apr-10	12	29	10	19	14	26	12	26	12	27	15	23	SE	0	0	0	0
03-Apr-10	9	29	9	19	10	26	9	26	11	27	14	23	SE	0	0	0	0
04-Apr-10	6	29	5	19	7	25	6	26	7	27	10	23	SE	0	0	0	0
05-Apr-10	6	29	6	19	8	25	6	26	8	27	12	23	SE	0	0	0	0
06-Apr-10	9	29	9	19	11	25	11	26	14	27	12	23	SE	0	0	0	0
07-Apr-10	12	29	14	19	9	25	12	26	12	27	11	23	NW	2	3	0	1
08-Apr-10	14	29	11	19	11	25	12	26	14	27	11	23	NW	3	0	0	1
09-Apr-10	15	29	7	19	15	25	17	26	18	27	19	23	SE	0	0	0	0
10-Apr-10	19	29	N/A	19	18	25	18	26	22	27	14	23	NW	6	N/A	4	4
11-Apr-10	32	29	N/A	19	21	25	32	26	18	27	13	23	NW	19	N/A	8	19
12-Apr-10	35	29	3	19	19	25	29	26	23	27	12	23	NW	23	0	7	17
13-Apr-10	17	29	10	19	21	25	24	26	20	27	21	23	SE	0	0	0	0
14-Apr-10	17	29	14	19	18	25	19	26	19	27	20	23	SE	0	0	0	0
15-Apr-10	24	29	23	19	29	25	34	26	38	27	28	23	NW	0	0	1	6
16-Apr-10	15	29	14	19	16	25	17	26	18	27	22	23	SE	0	0	0	0
17-Apr-10	7	29	9	19	9	25	8	26	10	26	21	23	SE	0	0	0	0
18-Apr-10	8	28	7	19	7	25	8	26	9	26	12	23	SE	0	0	0	0
19-Apr-10	7	28	7	19	8	25	7	26	9	26	14	23	SE	0	0	0	0
20-Apr-10	7	28	7	19	7	25	7	26	10	26	7	23	SE	0	0	0	0
21-Apr-10	21	28	17	19	16	25	23	26	23	26	20	23	SE	0	0	0	0
22-Apr-10	N/A	29	28	19	28	25	33	26	40	27	29	23	NW	N/A	0	0	3
23-Apr-10	36	29	30	19	40	25	41	26	55	27	24	23	NW	12	6	16	17
24-Apr-10	47	29	30	19	44	25	48	26	46	27	30	23	NW	18	0	14	18
25-Apr-10	16	28	11	19	12	25	16	26	18	27	17	23	NW	0	0	0	0
26-Apr-10	12	28	8	19	7	25	10	26	13	26	10	23	NW	1	0	0	0
27-Apr-10	36	28	23	19	23	25	34	26	27	26	19	23	NW	18	4	4	15
28-Apr-10	41	28	17	19	25	25	39	26	31	26	20	23	NW	21	0	5	20
29-Apr-10	37	28	20	19	31	25	35	26	43	26	23	23	NW	14	0	8	12
30-Apr-10	20	28	15	19	18	25	28	26	N/A	26	20	23	SE	0	0	0	0
01-May-10	10	28	9	19	7	25	10	26	N/A	26	13	23	SE	0	0	0	0
02-May-10	23	28	13	19	17	25	20	26	N/A	26	17	23	NW	7	0	1	3
03-May-10	16	28	15	19	20	25	22	26	N/A	27	27	23	SE	0	0	0	0

**2009 – 2010 Tapered Element Oscillating Microbalance (TEOM) PM10 Results**

Date	Site 1		Site 2		Site 3		Site 8		Site4		Site 7		Ashton Contribution (only calculated for north westerly winds)				
	Site 1 – PM10 24hr Average	Site 1 – PM10 Rolling Annual Average	Site 2 – PM10 24hr Average	Site 2 – PM10 Rolling Annual Average	Site 3 – PM10 24hr Average	Site 3 – PM10 Rolling Annual Average	Site 8 – PM10 24hr Average	Site 8 – PM10 Rolling Annual Average	Site 4 – PM10 24hr Average	Site 4 – PM10 Rolling Annual Average	Site 7 – PM10 24hr Average	Site 7 – PM10 Rolling Annual Average	Wind Direction	Site 1 Ashton Contribution	Site 2 Ashton Contribution	Site 3 Ashton Contribution	Site 8 Ashton Contribution
04-May-10	25	28	19	19	20	25	26	26	18	27	23	23	SE	0	0	0	0
05-May-10	37	28	19	19	23	25	36	26	25	27	20	23	NW	18	0	3	17
06-May-10	27	28	20	19	17	25	29	26	26	27	19	23	NW	8	1	0	9
07-May-10	27	28	19	19	28	25	32	26	30	27	21	23	NW	6	0	6	11
08-May-10	17	28	19	19	27	25	25	26	32	27	18	23	NW	0	1	9	7
09-May-10	24	28	24	19	27	25	31	26	37	27	20	23	NW	4	3	6	11
10-May-10	29	28	27	19	31	25	30	26	40	27	26	23	NW	4	1	5	4
11-May-10	65	28	31	19	49	25	62	26	51	27	32	23	NW	33	0	17	30
12-May-10	36	28	21	19	26	25	28	26	37	27	36	23	NW	0	0	0	0
13-May-10	35	28	28	19	33	25	36	26	38	27	29	23	NW	6	0	4	8
14-May-10	33	28	18	19	23	25	28	26	29	27	21	23	NW	12	0	2	7
15-May-10	26	28	17	19	20	25	26	26	24	27	21	23	NW	5	0	0	5
16-May-10	23	28	20	19	25	25	23	26	31	27	23	23	SE	0	0	0	0
17-May-10	27	28	21	19	26	25	24	26	31	27	42	23	NW	0	0	0	0
18-May-10	27	28	12	19	21	25	25	26	22	27	20	23	SW	0	0	0	0
19-May-10	17	28	16	19	18	25	22	26	36	27	20	23	SE	0	0	0	0
20-May-10	25	28	20	19	18	25	24	26	33	27	37	23	SE	0	0	0	0
21-May-10	24	28	19	19	22	25	26	26	28	27	26	23	SE	0	0	0	0
22-May-10	7	28	9	19	10	25	9	26	11	27	12	23	SE	0	0	0	0
23-May-10	9	28	9	19	15	25	12	26	14	27	19	23	SE	0	0	0	0
24-May-10	12	28	10	19	16	25	14	26	18	27	18	23	SE	0	0	0	0
25-May-10	8	28	8	19	10	25	10	26	12	27	11	23	SE	0	0	0	0
26-May-10	10	28	9	19	9	25	11	26	10	27	14	23	NW	1	0	0	2
27-May-10	12	28	9	19	12	25	11	26	14	27	17	23	SE	0	0	0	0
28-May-10	14	28	14	19	14	25	18	26	15	27	15	23	SE	0	0	0	0
29-May-10	7	28	6	19	9	25	7	26	9	27	8	23	NW	0	0	1	0
30-May-10	10	28	10	19	9	25	10	26	11	27	7	23	NW	3	3	2	3
31-May-10	11	28	9	19	10	25	13	26	13	27	11	23	NW	0	0	0	2
01-Jun-10	10	28	12	19	15	25	14	26	17	27	16	23	SE	0	0	0	0
02-Jun-10	14	28	13	19	13	25	14	26	17	27	18	23	SE	0	0	0	0
03-Jun-10	9	28	8	19	9	25	10	25	15	27	12	23	SE	0	0	0	0
04-Jun-10	4	28	4	19	5	25	5	25	5	27	5	23	SE	0	0	0	0
05-Jun-10	11	28	12	19	13	25	16	25	13	27	11	23	SW	0	0	0	0
06-Jun-10	15	28	10	19	13	25	16	25	14	27	11	23	NW	4	0	2	5
07-Jun-10	11	28	12	19	11	25	12	25	13	27	14	23	SW	0	0	0	0
08-Jun-10	25	28	19	19	26	25	29	25	25	27	17	23	SW	0	0	0	0
09-Jun-10	32	28	14	19	32	25	39	25	29	27	21	23	SW	0	0	0	0
10-Jun-10	26	28	16	19	22	25	26	25	20	27	16	23	NW	10	0	6	9
11-Jun-10	29	28	17	19	21	25	29	25	24	27	16	23	SW	0	0	0	0
12-Jun-10	14	28	12	19	17	25	17	25	16	27	13	23	SW	0	0	0	0
13-Jun-10	20	28	18	19	22	25	27	25	23	27	17	23	NE	0	0	0	0
14-Jun-10	11	28	12	19	15	25	15	25	15	27	17	23	NE	0	0	0	0
15-Jun-10	16	28	15	19	15	25	18	25	18	27	22	23	NE	0	0	0	0
16-Jun-10	20	28	17	19	21	25	25	25	22	27	23	23	SW	0	0	0	0
17-Jun-10	17	28	11	19	19	25	22	25	25	27	16	23	SW	0	0	0	0
18-Jun-10	30	28	16	19	23	25	31	25	25	27	19	23	SW	0	0	0	0
19-Jun-10	28	28	19	19	23	25	27	25	23	27	20	23	NW	8	0	3	8
20-Jun-10	29	28	18	19	19	25	28	25	15	27	14	23	NW	15	4	5	14
21-Jun-10	22	28	21	19	18	25	25	25	20	27	17	23	NE	0	0	0	0
22-Jun-10	6	28	7	19	8	25	7	25	8	27	12	23	SE	0	0	0	0
23-Jun-10	5	28	7	19	10	25	9	25	11	27	8	23	SE	0	0	0	0
24-Jun-10	19	28	15	19	16	25	21	25	15	27	15	23	NE	0	0	0	0
25-Jun-10	31	28	20	19	27	25	33	25	33	27	18	23	SE	0	0	0	0
26-Jun-10	10	28	8	19	10	25	11	25	11	27	10	23	SW	0	0	0	0
27-Jun-10	14	28	11	19	11	25	15	25	12	27	9	23	NW	5	2	3	6
28-Jun-10	17	28	14	19	20	25	22	25	21	27	12	23	SW	0	0	0	0
29-Jun-10	27	28	20	19	21	25	28	25	19	27	20	23	NW	8	1	2	9
30-Jun-10	33	28	20	19	24	25	34	25	24	27	21	23	NW	13	0	3	13
01-Jul-10	25	27	20	18	21	24	28	25	27	26	22	23	NW	3	0	0	5
02-Jul-10	33	27	17	18	27	24	33	25	20	26	21	23	NW	13	0	7	13
03-Jul-10	19	27	12	18	10	24	17	25	13	26	8	23	NW	11	4	2	8



**2009 – 2010 Tapered Element Oscillating Microbalance (TEOM) PM10 Results**

Date	Site 1		Site 2		Site 3		Site 8		Site4		Site 7		Ashton Contribution (only calculated for north westerly winds)				
	Site 1 – PM10 24hr Average	Site 1 – PM10 Rolling Annual Average	Site 2 – PM10 24hr Average	Site 2 – PM10 Rolling Annual Average	Site 3 – PM10 24hr Average	Site 3 – PM10 Rolling Annual Average	Site 8 – PM10 24hr Average	Site 8 – PM10 Rolling Annual Average	Site 4 – PM10 24hr Average	Site 4 – PM10 Rolling Annual Average	Site 7 – PM10 24hr Average	Site 7 – PM10 Rolling Annual Average	Wind Direction	Site 1 Ashton Contribution	Site 2 Ashton Contribution	Site 3 Ashton Contribution	Site 8 Ashton Contribution
04-Jul-10	22	27	13	18	15	24	21	25	17	26	13	23	NW	8	0	2	8
05-Jul-10	26	27	15	18	33	24	26	25	22	26	18	23	SE	0	0	0	0
06-Jul-10	30	27	12	18	-12.85	24	25	25	26	26	18	23	NW	12	0	N/A	7
07-Jul-10	11	27	12	18	7	24	18	25	29	26	17	23	SE	0	0	0	0
08-Jul-10	7	27	8	18	10	24	10	25	15	26	16	23	SE	0	0	0	0
09-Jul-10	9	27	13	18	4	24	10	25	10	26	12	23	SE	0	0	0	0
10-Jul-10	7	27	7	18	6	24	8	25	10	26	11	23	SW	0	0	0	0
11-Jul-10	28	27	14	18	20	24	29	25	25	26	15	23	NW	13	0	4	13
12-Jul-10	10	27	8	18	9	24	11	25	12	26	10	23	SE	0	0	0	0
13-Jul-10	11	27	11	18	9	24	13	25	12	26	15	23	SE	0	0	0	0
14-Jul-10	19	27	10	18	10	24	16	25	13	26	12	23	NW	8	0	0	4
15-Jul-10	23	27	12	18	16	24	23	25	22	26	14	23	NW	9	0	1	8
16-Jul-10	16	27	14	18	14	24	18	25	17	26	16	23	NW	0	0	0	1
17-Jul-10	12	27	13	18	13	24	16	25	19	26	12	23	NW	0	1	1	4
18-Jul-10	16	27	10	18	14	24	15	25	19	26	13	23	NW	2	0	1	2
19-Jul-10	30	27	21	18	36	24	35	25	41	26	27	23	NW	3	0	9	8
20-Jul-10	15	27	11	18	15	24	16	25	19	26	15	23	SW	0	0	0	0
21-Jul-10	17	27	13	18	16	24	20	25	19	26	15	23	SE	0	0	0	0
22-Jul-10	17	27	13	18	18	24	23	25	21	26	19	23	NW	0	0	0	4
23-Jul-10	23	27	16	18	19	24	26	25	25	26	23	23	SE	0	0	0	0
24-Jul-10	21	27	13	18	18	24	20	25	23	26	17	23	SE	0	0	0	0
25-Jul-10	13	27	10	18	13	24	12	25	13	26	20	23	SE	0	0	0	0
26-Jul-10	10	27	9	18	12	24	12	25	12	26	15	23	SE	0	0	0	0
27-Jul-10	13	27	10	18	14	24	16	25	15	26	19	23	SE	0	0	0	0
28-Jul-10	7	27	6	18	9	24	9	25	11	26	10	23	SE	0	0	0	0
29-Jul-10	14	27	11	18	12	24	16	25	15	26	12	23	NW	3	0	0	4
30-Jul-10	17	27	12	18	13	24	18	25	16	26	16	23	NW	1	0	0	2
31-Jul-10	13	27	8	18	7	24	11	25	12	26	7	23	NW	6	2	0	4
01-Aug-10	22	27	10	18	15	24	20	25	19	26	11	23	NW	11	0	5	9
02-Aug-10	17	27	10	18	15	24	17	25	21	26	13	23	NW	3	0	1	3
03-Aug-10	12	27	9	18	12	24	12	25	12	26	11	23	SE	0	0	0	0
04-Aug-10	29	27	19	18	17	24	28	25	18	26	15	23	NW	14	3	2	12
05-Aug-10	36	27	14	18	26	24	30	25	26	26	14	23	NW	22	0	12	16
06-Aug-10	22	27	13	18	17	24	21	25	25	26	15	23	NW	6	0	2	5
07-Aug-10	23	27	12	18	14	24	20	25	16	26	15	23	NW	9	0	0	6
08-Aug-10	19	27	13	18	18	24	21	25	22	26	15	23	NW	4	0	3	6
09-Aug-10	24	27	16	18	23	24	25	25	26	26	20	23	SE	0	0	0	0
10-Aug-10	18	27	16	18	19	24	20	25	18	26	17	23	SE	0	0	0	0
11-Aug-10	13	27	10	18	9	24	11	25	12	26	14	23	NW	1	0	0	0
12-Aug-10	15	26	10	18	16	24	16	25	24	26	13	23	NW	2	0	2	2
13-Aug-10	18	26	14	18	15	24	15	25	18	26	12	23	NW	6	2	3	2
14-Aug-10	25	26	17	18	15	24	22	25	17	25	12	22	NW	13	4	3	10
15-Aug-10	37	26	13	18	23	23	35	25	22	25	19	22	NW	18	0	4	16
16-Aug-10	34	26	11	18	20	23	32	25	44	26	13	22	NW	21	0	7	18
17-Aug-10	22	26	16	18	19	23	21	25	25	25	18	22	NW	4	0	1	3
18-Aug-10	36	26	23	18	34	23	42	25	40	25	37	22	NW	0	0	0	5
19-Aug-10	27	26	12	18	13	23	22	25	16	25	14	22	NW	13	0	0	8
20-Aug-10	25	26	11	18	17	23	23	25	19	25	13	22	NW	12	0	3	9
21-Aug-10	33	26	11	17	20	23	30	25	22	25	12	22	NW	22	0	9	18
22-Aug-10	19	26	13	17	16	23	21	25	18	25	14	22	NW	5	0	2	6
23-Aug-10	17	26	13	17	14	23	17	25	15	25	14	22	NW	3	0	0	3
24-Aug-10	29	26	12	17	15	23	27	25	22	25	31	22	NW	7	0	0	5
25-Aug-10	32	26	12	17	21	23	32	25	23	25	21	22	NW	11	0	0	11
26-Aug-10	32	25	12	17	22	23	34	25	20	25	16	22	NW	17	0	6	18
27-Aug-10	26	25	10	17	14	22	25	25	22	25	13	22	NW	13	0	1	12
28-Aug-10	20	25	6	17	19	22	19	25	19	24	13	22	NW	6	0	6	5
29-Aug-10	20	25	N/A	17	20	22	20	25	19	24	17	22	SE	0	N/A	0	0
30-Aug-10	20	25	12	17	21	22	22	25	24	24	24	22	SE	0	0	0	0
31-Aug-10	35	25	24	17	35	22	33	25	36	24	25	22	NW	9	0	10	7
01-Sep-10	57	25	34	17	50	22	64	25	46	24	46	22	NW	11	0	4	19

\*CT = Contaminated sample due to dust storm event

THIS PAGE LEFT BLANK INTENTIONALLY

**APPENDIX 2**

**GROUNDWATER REPORT**

THIS PAGE LEFT BLANK INTENTIONALLY

**APPENDIX 3**

**BLAST MONITORING DATA**

THIS PAGE LEFT BLANK INTENTIONALLY

**2009 – 2010 Blast Vibration and Overpressure Results**

Shot No	Date	Time	Location	St Clements Church		Camberwell Village	
				Vibration	Overpressure	Vibration	Overpressure
1	4-Sep-09	13:45:57	ULD_S6B8-9W	2	118	2	120
2	7-Sep-09	09:27:57	PS_ULLD_S5-6S	3	106	2	104
3	9-Sep-09	09:17:03	MLD_S5B8-9E	2	113	2	116
4	12-Sep-09	10:54:51	UBS_S5-6B4S	0	102	1	98
5	14-Sep-09	12:27:27	PS_ULLD_S3S	1	105	1	104
6	18-Sep-09	12:00:00	Oversize rocks	0	DNT	0	DNT
7	18-Sep-09	12:03:24	ULLD_S4B8-9E	2	114	3	118
8	18-Sep-09	12:08:55	ULLD_Seed_1	1	100	1	102
9	18-Sep-09	12:13:10	ULLD_Seed_2	1	99	1	103
10	22-Sep-09	09:30:35	ULD_S7B6-8	2	115	1	118
11	24-Sep-09	11:57:27	ULLD_S5B6-8E	2	111	1	101
12	30-Sep-09	09:07:50	MLD_S5B8-9W	2	108	2	112
13	02-Oct-09	09:10:45	ULLD_S4B5-6E	1	109	1	109
14	02-Oct-09	12:14:51	LB_seed1	1	101	1	101
15	02-Oct-09	12:18:25	LB_seed2	1	94	1	95
16	09-Oct-09	15:06:51	LB_S4-5B5N	1	100	3	107
17	16-Oct-09	09:40:00	Misfire det cord	0	DNT	0	DNT
18	16-Oct-09	09:43:04	MLD_S6B8-9E	2	117	2	118
19	16-Oct-09	10:01:19	ULLD_S4B5-9W	2	108	1	111
20	19-Oct-09	12:03:03	PS_UB_S3East	1	111	1	108
21	21-Oct-09	12:05:28	LLLD_S3B6-7E	1	107	1	106
22	23-Oct-09	12:13:51	PS_ULLD_S6SW	1	102	1	100
23	23-Oct-09	12:15:00	Oversize ULD (2)	0	DNT	0	DNT
24	30-Oct-09	09:07:30	PS_ULLD_S6SW	1	99	1	100
25	31-Oct-09	12:05:46	LB_S5-8B4S	1	98	3	104

**2009 – 2010 Blast Vibration and Overpressure Results**

Shot No	Date	Time	Location	St Clements Church		Camberwell Village	
				Vibration	Overpressure	Vibration	Overpressure
26	4-Nov-09	1:00	MLD_S6B8-9W	2	110	2	112
27	10-Nov-09	2:24:00	LLLD_S3B8-9	1	106	1	104
28	11-Nov-09	13:23:07	MLD_S6B6-8W	1	114	1	118
29	17-Nov-09	12:39:00	PS_LBS7-8W	2	100	2	100
30	20-Nov-09	14:45:06	ULLD_S5B8-9E	1	110	1	116
31	24-Nov-09	13:05:59	ULLD_S5B8-9W	1	112	1	109
32	24-Nov-09	13:00:00	MLD_oversize	0	DNT	0	DNT
33	28-Nov-09	09:07:03	ULLD_S5B7-8W	1	116	1	113
34	2-Dec-09	12:00:00	ULLD_S5B4W	DNT	DNT	1	103
35	2-Dec-09	12:05:00	MLD_oversize	DNT	DNT	DNT	DNT
36	4-Dec-09	12:10:35	ULLD_S5B6-7W	1	109	1	103
37	4-Dec-09	12:13:26	PS_UB_S3#4	0	105	0	104
38	4-Dec-09	12:18:01	PS_UB_S3#4_2	0	107	0	105
39	4-Dec-09	12:21:35	ULLD_S5B6-7W	1	124	1	120
40	4-Dec-09	12:34:36	ULD_S7B5-7	1	110	1	107
41	10-Dec-09	12:05:08	ULLD_S6B6-7E	DNT	DNT	1	109
42	14-Dec-09	09:05:48	UB_S4B6	1	106	3	106
43	15-Dec-09	09:02:22	LLLD_S4B6	2	104	1	101
44	16-Dec-09	12:35:44	PS_UB_S4E	1	117	1	111
45	16-Dec-09	12:39:25	LLLD_S4B7	1	106	1	106
46	18-Dec-09	12:33:33	LLLD_S4B8-9E	1	112	1	109
47	21-Dec-09	12:03:31	PS_UB_S4S2	1	107	1	102
48	22-Dec-09	16:17:15	LLLD_S4B8-9W	1	109	1	105
49	24-Dec-09	11:06:40	MLD_S6B6	1	109	1	108
50	6-Jan-10	12:08:47	LLLD_S4B6_2	0	123	0	115



**2009 – 2010 Blast Vibration and Overpressure Results**

Shot No	Date	Time	Location	St Clements Church		Camberwell Village	
				Vibration	Overpressure	Vibration	Overpressure
51	6-Jan-10	12:15:36	MLD_S6B5	1	100	1	99
52	8-Jan-10	16:01:14	PS_UB_S4SE_2	0	101	1	95
53	8-Jan-10	16:05:41	LLLD_S5B8-9E	1	107	1	101
54	12-Jan-10	12:32:27	LLLD_S5B7-8W	1	105	1	104
55	15-Jan-10	15:00:52	UB_S4B7-9E	2	105	2	103
56	19-Jan-10	12:20:26	LLLD_S5B6-7W	0	103	1	102
57	19-Jan-10	12:21:50	LLLD_S4B6_3	0	101	DNT	DNT
58	19-Jan-10	12:25:41	ULD_Oversize + MLD_toe	0	101	DNT	DNT
59	25-Jan-10	15:05	MLD_S6-7B5-7	1	111	1	109
60	27-Jan-10	12:41:25	LLLD_S5B9W	0	99	0	95
61	30-Jan-10	9:12	UB_S4B7-9W	2	108	2	106
62	2-Feb-10	11:59:40	PS_ULLD_S7W	1	108	0	99
63	5-Feb-10	12:54:21	LLLD_S5B6_2	0	99	0	95
64	12-Feb-10	16:00:41	MLD_S7B5-6	1	109	1	106
65	19-Feb-10	13:11:52	UB_S5B7-8E	2	105	2	105
66	19-Feb-10	13:15:54	LLLD_S6B6-7E	1	98	1	102
67	19-Feb-10	13:21:33	ULLD_S5B5	1	103	2	105
68	24-Feb-10	12:06:44	ULLD_S5-6B5	1	103	1	105
69	26-Feb-10	12:25:11	UB_S5B7-8W	2	104	2	105
70	2-Mar-10	12:06:18	LLLD_S6B7-8E	1	99	1	100
71	4-Mar-10	12:47:18	UB_S4B6	1	108	1	105
72	9-Mar-10	10:29:11	PS_ULLD_S7SW	0	113	1	106
73	12-Mar-10	13:07:00	MLD_S7B7-8	1	107	1	109
74	16-Mar-10	11:09:36	PS_ULLD_S7SW2	0	98	0	99
75	22-Mar-10	9:47:58	MLD_S7B6-7	1	110	1	106

**2009 – 2010 Blast Vibration and Overpressure Results**

Shot No	Date	Time	Location	St Clements Church		Camberwell Village	
				Vibration	Overpressure	Vibration	Overpressure
76	24-Mar-10	11:58:42	LLLD_S5B5-6	0	100	0	97
77	27-Mar-10	10:19:36	ULLD_S6-7B5	1	105	1	102
78	30-Mar-10	11:57:58	LLLD_S5B5-6W	0	101	0	100
79	9-Apr-10	1:04pm	UB_S4B5	1	100	1	104
80	15-Apr-10	12:31:29	UB_S5B5-6	1	105	1	102
81	16-Apr-10	16:08:23	UB_S6B7-8E + UB_Toe	2	107	3	106
82	20-Apr-10	15:00:00	UB Toe 2	DNT	DNT	DNT	DNT
83	21-Apr-10	13:30:27	ULLD_S6B7-8N	1	111	1	108
84	23-Apr-10	12:11:36	LLLD_S6B5-6E	0	100	DNT	DNT
85	29-Apr-10	13:06:08	ULLD_S6B8-9	2	112	1	112
86	30-Apr-10	13:15:59	PS.LB.EAST	1	104	1	105
87	4-May-10	12:30:58	LLLD.S6B5/6W	1	99	DNT	DNT
88	4-May-10	12:33:10	PS.UB.S7B5	0	103	1	94
89	6-May-10	9:03:20	UB.S6B5/6E	1	106	1	103
90	7-May-10	9:12:29	LLLD.S7B5	0	103	DNT	DNT
91	10-May-10	16:05:12	ULLD.S6B8 + PS.UB.S7B6	1	109	1	111
92	12-May-10	9:11:26	LLLD.S7B5/6	0	99	DNT	DNT
93	13-May-10	12:33:25	UBS.S4/5B5	0	102	1	103
94	14-May-10	12:38:32	UB.S6B6E	1	109	1	107
95	17-May-10	16:02:56	LLLD.S6B6	0	101	0	99
96	18-May-10	12:28:32	UBS.S4/5B6	0	98	1	97
97	19-May-10	12:40:06	PS.UB.S5/6S	0	94	DNT	DNT
98	19-May-10	12:43:46	LLLD.S7B6	1	98	1	96
99	24-May-10	13:14:51	UB.S6/7B5	1	108	1	104
100	31-May-10	15:50:28	UBS.S5B5/6	0	109	1	105

**2009 – 2010 Blast Vibration and Overpressure Results**

Shot No	Date	Time	Location	St Clements Church		Camberwell Village	
				Vibration	Overpressure	Vibration	Overpressure
101	3-Jun-10	12:34:51	UB.S6B6/7	1	112	1	111
102	7-Jun-10	15:58:28	UBS.S4/5B7	0	101	1	99
103	9-Jun-10	12:15:23	UB.S6B6/7	2	115	2	117
104	12-Jun-10	9:35:29	PS.UB.S6/7B7/8	1	103	1	100
105	12-Jun-10	9:39:12	UBS.S4/5B8	1	108	1	103
106	17-Jun-10	12:07:42	LB.S4/5B5	1	111	2	107
107	19-Jun-10	11:28:59	LLLD.S5/6B9	1	108	1	108
108	24-Jun-10	12:40:37	PS.LB.S7B5	1	95	1	88
109	24-Jun-10	12:44:43	UBS.S6B5/6	0	98	0	98
110	26-Jun-10	11:01:24	PS.UB.S6/7B7/8	0	104	1	105
111	26-Jun-10	11:09:50	LLLD.S6/7B7/8	0	110	DNT	DNT
112	01-Jul-10	12:03:19	LB.S4-5B6	1	111	2	110
113	01-Jul-10	12:08:52	UBS.S7B5	0	102	DNT	DNT
114	01-Jul-10	12:16:53	UBS.S6B6-8E	1	105	1	105
115	03-Jul-10	9:58:03	LLLD.S6-7B7	0	105	DNT	DNT
116	06-Jul-10	12:02:23	UBS_S6-7B5S	0	103	0	98
117	08-Jul-10	12:05:45	LB_S5-6B5	1	102	2	104
118	09-Jul-10	12:23:47	UBS_S6-7B5S2 + PS LB_S7B5-6	1	105	1	100
119	17-Jul-10	8:59:19	LB_S6-7B5	2	112	2	107
120	20-Jul-10	12:32:17	PS LB_S7B5-6S + UBS_S6-7B5-6	1	106	1	98
121	23-Jul-10	12:32:30	LB_S6-7B5S	2	106	2	104
122	28-Jul-10	9:48:56	UB_S6-7B6-8	2	111	2	109
123	29-Jul-10	12:50:56	UBS_S6B6-8	0	106	0	102
124	06-Aug-10	12:31:26	PS LB EAST 2	1	102	0	100
125	06-Aug-10	12:58:43	LB_S6-7B5-6	1	108	2	107

**2009 – 2010 Blast Vibration and Overpressure Results**

Shot No	Date	Time	Location	St Clements Church		Camberwell Village	
				Vibration	Overpressure	Vibration	Overpressure
126	09-Aug-10	12:28:02	LB_S4-5B6-7	1	111	2	109
127	13-Aug-10	12:32:17	UBS_S4-5B8 + PS_LB_EAST_3	1	108	1	106
128	13-Aug-10	12:36:21	UB_S6-7B8	2	108	1	108
129	17-Aug-10	12:27:40	UB_S5-6B9	4	113	2	106
130	18-Aug-10	12:27:01	LB_S4-5B7	1	111	1	110
131	20-Aug-10	12:38:36	LB_S5B6-7	2	112	2	112
132	28-Aug-10	9:03:17	UBS_S6B7-8E	2	108	1	107
133	28-Aug-10	9:03:17	LB_S4-5B7-8	2	110	3	108
134	28-Aug-10	9:03:17	LB_S6B5-6	2	117	1	114
135	30-Aug-10	15:02:00	PS_LB_S4-5S	DNT	DNT	DNT	DNT
136	30-Aug-10	15:02:40	UBS_S4-5B7-8	1	106	1	108
<b>Total Blasts 136</b>			<b>Number Blasts Recorded</b>	136	136	136	136
			<b>% Blasts Recorded</b>	100%	100%	100%	100%
			<b>Maximum</b>	3	120	4	124
			<b>Average</b>	1	105	1	106
			<b>Minimum</b>	0	88	0	94
			<b>No &gt; 2 mm/s</b>	6.00		2	
			<b>% &gt; 2 mm/s</b>	4.41%		1.47%	
			<b>No &gt; 10mm/s</b>	0		0	
			<b>No &gt; 115 dBL</b>		9.00		7.00
			<b>% &gt; 115 dBL</b>		6.62%		5.15%
			<b>No &gt; 120 dBL</b>		0		2

**APPENDIX 4**

**Complaints List**

THIS PAGE LEFT BLANK INTENTIONALLY

## **APPENDIX 5**

### **AEMR Plans**

THIS PAGE LEFT BLANK INTENTIONALLY







