




Derwent House
Bretby Business Park
Ashby Road
Burton-Upon-Trent
Staffordshire
DE15 0YZ

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**Ambient Air Quality
Monitoring Report**

Client and Address:
Environmental Scientifics Group
Derwent House
Bretby Business Park
Burton-upon-Trent
Staffordshire
DE15 0YZ

Report Date:	2nd April 2014
Version:	1
Reported By: Business Title:	Stuart Sleeth Environmental Consultant
Approved By: Business Title: Signature:	Stuart Sleeth Environmental Consultant 

Sampling Location:
Location 1

Campaign Dates:
March '14

Job Number:
ABC 12345

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EXECUTIVE SUMMARY

Ambient Air Monitoring Objectives

Environmental Scientifics Group Limited were contracted by Environmental Scientifics Group to carry out Continuous Ambient Air Monitoring to determine the release of prescribed pollutants from the following locations.

The results of this campaign shall be used to demonstrate compliance with a set of Ambient Air Quality limit values for prescribed pollutants as specified in relevant guidance: ISBN 10: 1 85261 942 2 - November 2006.

Environmental Scientifics Group's operations at Bretby are subject to the Best Practice Guidance of London Councils and the Greater London Authority, as specified above.
As such, the Alert Limit Level is set at 250µg/m³ for PM 10.

Sample Location

Location 1

Clients Address

Environmental Scientifics Group
Derwent House
Bretby Business Park
Burton-upon-Trent
Staffordshire
DE15 0YZ

ESG Address

Environmental Scientifics Group Limited - Bretby Laboratory
Derwent House
Bretby Business Park
Ashby Road
Burton-upon-Trent
Staffordshire
DE15 0YZ

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EXECUTIVE SUMMARY

Notable Events

PM 10 Level Recorded Above Set Alert Level - 250 µg/m³

Location	Date	Time Range	Maximum PM 10 µg/m ³	Temperature °c	Humidity %	Wind Speed m/s	Wind Vector degrees
Location 1	09/03/2014	17:00	325.7	13.6	75.5	0.8	200
Location 1	09/03/2014	22:45	328.5	17.8	44.7	1.6	300
Location 1	14/03/2014	06:00	261.0	12.2	80.8	0.4	220

EXECUTIVE SUMMARY

Ambient Air Quality Summary

Location 1 - Total Suspended Particulate - Daily Results Table

Date	Data Point(s)	Average Deposition $\mu\text{g}/\text{m}^3$	Maximum Deposition $\mu\text{g}/\text{m}^3$	Standard Deviation $\mu\text{g}/\text{m}^3$
01/03/2014	96	74.56	360.50	50.45
02/03/2014	96	43.04	94.90	18.12
03/03/2014	96	14.25	61.10	6.48
04/03/2014	96	9.01	24.80	2.64
05/03/2014	96	11.31	25.60	3.02
06/03/2014	96	13.20	67.60	7.26
07/03/2014	96	26.12	195.70	20.15
08/03/2014	96	23.14	233.70	26.08
09/03/2014	96	51.98	422.50	80.62
10/03/2014	96	19.99	105.30	12.03
11/03/2014	96	40.59	205.00	41.27
12/03/2014	96	44.85	268.00	42.80
13/03/2014	96	35.34	141.40	19.85
14/03/2014	96	37.70	380.20	45.21
15/03/2014	96	15.04	41.90	4.35
16/03/2014	96	15.26	23.30	3.51
17/03/2014	96	20.67	56.80	7.31
18/03/2014	96	16.65	68.70	7.66
19/03/2014	96	5.34	11.50	2.03
20/03/2014	96	6.97	33.90	4.73
21/03/2014	96	7.22	22.30	3.57
22/03/2014	96	8.84	27.00	5.53
23/03/2014	96	8.94	14.80	2.68
24/03/2014	96	10.44	19.10	2.97
25/03/2014	96	21.65	165.80	26.43
26/03/2014	96	8.49	9.05	0.33
27/03/2014	96	7.35	7.91	0.33
28/03/2014	96	6.21	6.77	0.33
29/03/2014	96	5.07	5.63	0.33
30/03/2014	96	3.93	4.50	0.33
31/03/2014	96	2.79	3.36	0.33

EXECUTIVE SUMMARY

Ambient Air Quality Summary

Location 1 - PM 10 - Daily Results Table

Date	Data Point(s)	Average Deposition $\mu\text{g}/\text{m}^3$	Maximum Deposition $\mu\text{g}/\text{m}^3$	Standard Deviation $\mu\text{g}/\text{m}^3$
01/03/2014	96	53.44	246.40	33.38
02/03/2014	96	35.07	83.70	17.14
03/03/2014	96	10.78	29.00	3.67
04/03/2014	96	7.33	12.20	1.45
05/03/2014	96	9.65	20.80	2.58
06/03/2014	96	10.40	44.00	4.64
07/03/2014	96	20.77	167.20	16.64
08/03/2014	96	17.37	157.60	16.80
09/03/2014	96	36.66	328.50	60.24
10/03/2014	96	14.31	88.10	9.46
11/03/2014	96	27.82	137.70	25.89
12/03/2014	96	31.42	201.50	28.51
13/03/2014	96	27.28	100.60	12.53
14/03/2014	96	26.40	261.00	29.77
15/03/2014	96	12.83	31.20	3.22
16/03/2014	96	13.03	22.20	3.69
17/03/2014	96	17.45	31.70	5.78
18/03/2014	96	13.41	28.30	4.90
19/03/2014	96	5.03	9.70	1.81
20/03/2014	96	6.11	28.60	3.96
21/03/2014	96	6.08	14.20	2.33
22/03/2014	96	8.23	24.40	5.12
23/03/2014	96	8.25	13.80	2.35
24/03/2014	96	9.95	18.40	2.89
25/03/2014	96	14.35	106.10	16.20
26/03/2014	96	7.23	7.63	0.23
27/03/2014	96	6.43	6.83	0.23
28/03/2014	96	5.62	6.02	0.23
29/03/2014	96	4.81	5.21	0.23
30/03/2014	96	4.00	4.40	0.23
31/03/2014	96	3.19	3.59	0.23

EXECUTIVE SUMMARY

Ambient Air Quality Summary

Location 1 - PM 2.5 - Daily Results Table

Date	Data Point(s)	Average Deposition $\mu\text{g}/\text{m}^3$	Maximum Deposition $\mu\text{g}/\text{m}^3$	Standard Deviation $\mu\text{g}/\text{m}^3$
01/03/2014	96	25.23	54.89	8.40
02/03/2014	96	24.07	72.77	17.46
03/03/2014	96	7.02	12.63	2.37
04/03/2014	96	4.90	7.84	1.00
05/03/2014	96	6.48	13.97	1.91
06/03/2014	96	5.72	9.46	1.73
07/03/2014	96	11.42	19.75	4.56
08/03/2014	96	8.86	12.85	1.59
09/03/2014	96	7.45	27.95	3.97
10/03/2014	96	6.80	15.52	2.79
11/03/2014	96	9.62	15.08	2.59
12/03/2014	96	10.88	18.75	1.79
13/03/2014	96	15.15	23.58	3.57
14/03/2014	96	10.18	21.33	5.07
15/03/2014	96	8.33	14.50	2.02
16/03/2014	96	8.94	17.89	3.47
17/03/2014	96	12.47	20.30	4.49
18/03/2014	96	8.74	16.39	3.41
19/03/2014	96	4.24	7.90	1.45
20/03/2014	96	4.17	14.11	2.08
21/03/2014	96	4.15	7.51	1.30
22/03/2014	96	6.38	15.95	3.86
23/03/2014	96	6.39	9.92	1.63
24/03/2014	96	8.45	17.25	2.72
25/03/2014	96	6.61	30.03	5.39
26/03/2014	96	4.92	5.09	0.10
27/03/2014	96	4.58	4.75	0.10
28/03/2014	96	4.25	4.41	0.10
29/03/2014	96	3.91	4.08	0.10
30/03/2014	96	3.57	3.74	0.10
31/03/2014	96	3.23	3.40	0.10

EXECUTIVE SUMMARY

Ambient Air Quality Summary

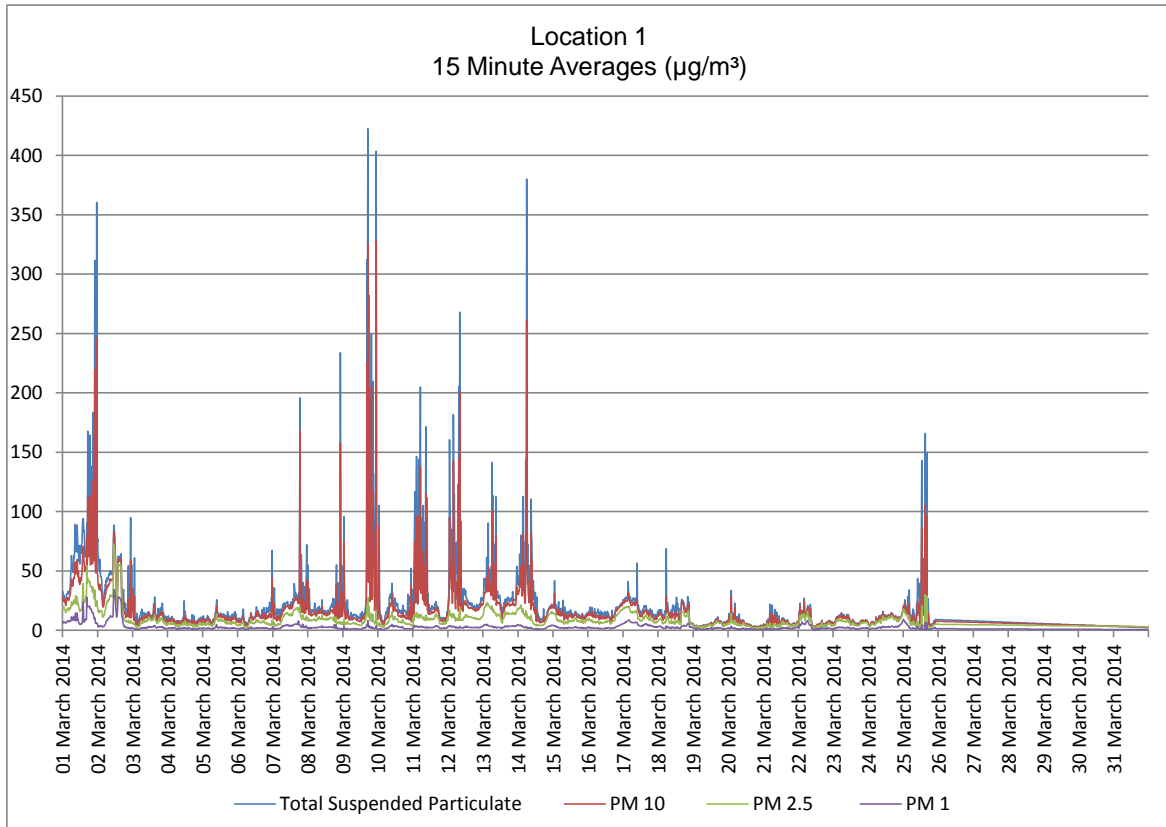
Location 1 - PM 1 - Daily Results Table

Date	Data Point(s)	Average Deposition µg/m ³	Maximum Deposition µg/m ³	Standard Deviation µg/m ³
01/03/2014	96	10.34	27.95	5.03
02/03/2014	96	10.01	34.32	9.27
03/03/2014	96	2.15	4.15	0.81
04/03/2014	96	1.59	2.55	0.34
05/03/2014	96	1.96	4.87	0.58
06/03/2014	96	1.60	2.94	0.46
07/03/2014	96	3.43	7.79	1.50
08/03/2014	96	2.36	5.01	0.71
09/03/2014	96	1.76	8.29	1.07
10/03/2014	96	2.10	5.05	1.13
11/03/2014	96	2.59	4.18	0.64
12/03/2014	96	2.65	4.19	0.45
13/03/2014	96	3.33	5.33	0.80
14/03/2014	96	2.35	4.54	1.13
15/03/2014	96	2.34	4.16	0.58
16/03/2014	96	2.38	5.49	1.07
17/03/2014	96	5.17	8.68	1.68
18/03/2014	96	2.80	6.01	1.00
19/03/2014	96	1.43	2.42	0.45
20/03/2014	96	1.19	3.48	0.53
21/03/2014	96	1.44	2.76	0.58
22/03/2014	96	2.90	8.40	2.19
23/03/2014	96	1.90	2.86	0.44
24/03/2014	96	2.83	9.24	1.39
25/03/2014	96	2.33	9.37	2.09
26/03/2014	96	1.31	1.38	0.04
27/03/2014	96	1.18	1.25	0.04
28/03/2014	96	1.05	1.12	0.04
29/03/2014	96	0.92	0.99	0.04
30/03/2014	96	0.79	0.86	0.04
31/03/2014	96	0.66	0.73	0.04

EXECUTIVE SUMMARY

Ambient Air Quality Summary

Location 1 - Graph



END OF REPORT