

**Week of September 7, 2004**

# McCoy Field-Keith Middle School Construction Project New Bedford, MA

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## Daily Field Notes and Dust Monitoring

**Date:** September 7, 2004      **Field Personnel:** Christian Alarie, BETA Group, Inc.

**Time on Site:** 6:55-14:40

**Weather:** AM- Cloudy, Overcast, Windy, 60°      PM- same, 70°

**Wind:** AM- moderate south to north      PM- strong, from south to north

### Summary of Activities Performed

WES Construction- Excavated stockpiled soil from Northern Utility Corridor Q-69. A total of three trucks removed impacted soil from the site today (>50 ppm PCBs). Worked on dewatering the excavation in the northern corridor. A significant amount of groundwater has seeped into the excavation. The excavated water is being removed to a tank via a submersible pump. Working on placing geotextile fabric and fill material (sand and gravel) in the northern utility corridor (i.e. Q-51, -52, -53, -55, -68 and -69) as appropriate and compacting the fill material as appropriate. Worked on surveying the northern corridor.

### Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (04701) set up for automatic logging (every 15 minutes). The manual dust monitoring readings daily average was 0.097 mg/m<sup>3</sup>. Following the detection of elevated readings, WES Construction wet down all areas with potential for dust generation.

Today's automatic dust monitoring logging data is identified as TAG # 05. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.037 mg/m<sup>3</sup>-0.187 mg/m<sup>3</sup>. The overall average concentration for the day was 0.077 mg/m<sup>3</sup>.

pDR-1000 S/N: 00000  
User ID: 04701  
Tag Number: 05  
Number of logged points: 23  
Start time and date: 08:05:41 07-Sep  
Elapsed time: 05:45:00  
Logging period (sec): 900  
Calibration Factor (%): 100  
Max Display Concentration: 2.712 mg/m<sup>3</sup>  
Time at maximum: 08:53:48 Sep 07  
Max STEL Concentration: 0.189 mg/m<sup>3</sup>  
Time at max STEL: 13:04:41 Sep 07  
Overall Avg Conc: 0.077 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	7-Sep	08:20:41	0.04
2	7-Sep	08:35:41	0.068
3	7-Sep	08:50:41	0.081
4	7-Sep	09:05:41	0.078
5	7-Sep	09:20:41	0.037
6	7-Sep	09:35:41	0.083
7	7-Sep	09:50:41	0.057
8	7-Sep	10:05:41	0.067
9	7-Sep	10:20:41	0.037
10	7-Sep	10:35:41	0.083
11	7-Sep	10:50:41	0.101
12	7-Sep	11:05:41	0.043
13	7-Sep	11:20:41	0.065
14	7-Sep	11:35:41	0.115
15	7-Sep	11:50:41	0.077
16	7-Sep	12:05:41	0.059
17	7-Sep	12:20:41	0.093
18	7-Sep	12:35:41	0.056
19	7-Sep	12:50:41	0.086
20	7-Sep	13:05:41	0.187
21	7-Sep	13:20:41	0.131
22	7-Sep	13:35:41	0.085
23	7-Sep	13:50:41	0.049

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# McCoy Field-Keith Middle School Construction Project New Bedford, MA

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## Daily Field Notes and Dust Monitoring

**Date:** September 8, 2004      **Field Personnel:** Christian Alarie, BETA Group, Inc.

**Time on Site:** 6:55-15:30

**Weather:** AM- Cloudy, Overcast, Windy, 70°      PM- sunny, windy, 70-75°

**Wind:** AM- slight south to north      PM- strong, from south to north

### Summary of Activities Performed

WES Construction- Excavated soil from Northern Utility Corridor Q-56 and Q-57. A total of eleven trucks removed impacted soil from the site today. Worked on dewatering the excavation in the northern corridor. A significant amount of groundwater has seeped into the excavation. The excavated water is being removed to a tank via a submersible pump. Working on placing geotextile fabric and fill material (sand and gravel) in the northern utility corridor (i.e. Q-68 and Q-69) as appropriate and compacting the fill material as appropriate. Worked on surveying the northern corridor. Dug a trench and laid water line piping in the trench in the northern utility corridor. Placed fill material around the pipes and compacted the fill as appropriate.

### Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (04701) set up for automatic logging (every 15 minutes). The manual dust monitoring readings daily average was 0.065 mg/m<sup>3</sup>.

Today's automatic dust monitoring logging data is identified as TAG #'s 07 and 08. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. Due to equipment failure in the morning the data for TAG number 07 is not included in the daily data. In the morning the automatic dust monitoring unit was reading excessively high in a dust free environment. The fifteen-minute averages as recorded under TAG # 08 ranged between approximately 0.005 mg/m<sup>3</sup>-0.026 mg/m<sup>3</sup>. The overall average concentration for TAG # 08 was 0.015 mg/m<sup>3</sup>.

pDR-1000 S/N: 00000  
 User ID: 04701  
 Tag Number: 06  
 Number of logged points: 32  
 Start time and date: 06:55:43 08-Sep  
 Elapsed time: 08:00:00  
 Logging period (sec): 900  
 Calibration Factor (%): 100  
 Max Display Concentration: 1.316 mg/m<sup>3</sup>  
 Time at maximum: 14:50:08 Sep 08  
 Max STEL Concentration: 0.140 mg/m<sup>3</sup>  
 Time at max STEL: 10:00:13 Sep 08  
 Overall Avg Conc: 0.080 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	8-Sep	07:10:43	0.034
2	8-Sep	07:25:43	0.017
3	8-Sep	07:40:43	0.032
4	8-Sep	07:55:43	0.043
5	8-Sep	08:10:43	0.045
6	8-Sep	08:25:43	0.047
7	8-Sep	08:40:43	0.061
8	8-Sep	08:55:43	0.069
9	8-Sep	09:10:43	0.063
10	8-Sep	09:25:43	0.082
11	8-Sep	09:40:43	0.077
12	8-Sep	09:55:43	0.125
13	8-Sep	10:10:43	0.106
14	8-Sep	10:25:43	0.095
15	8-Sep	10:40:43	0.074
16	8-Sep	10:55:43	0.096
17	8-Sep	11:10:43	0.073
18	8-Sep	11:25:43	0.105
19	8-Sep	11:40:43	0.069
20	8-Sep	11:55:43	0.079
21	8-Sep	12:10:43	0.067
22	8-Sep	12:25:43	0.091
23	8-Sep	12:40:43	0.124
24	8-Sep	12:55:43	0.078
25	8-Sep	13:10:43	0.072
26	8-Sep	13:25:43	0.119
27	8-Sep	13:40:43	0.102
28	8-Sep	13:55:43	0.098
29	8-Sep	14:10:43	0.109
30	8-Sep	14:25:43	0.107
31	8-Sep	14:40:43	0.091
32	8-Sep	14:55:43	0.128

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# McCoy Field-Keith Middle School Construction Project New Bedford, MA

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## Daily Field Notes and Dust Monitoring

**Date:** September 9, 2004      **Field Personnel:** Jim Smith, BETA Group, Inc.

**Time on Site:** 6:30-15:00

**Weather:** AM- cloudy, drizzle, 70°      PM- cloudy, humid, 80°

**Wind:** AM- strong, from SE      PM- strong, from S

### Summary of Activities Performed

WES Construction excavating soil from north utility corridor quadrants Q-59 and Q-60. Contaminated soil being loaded into trailer trucks for off-site management.

WES backfilling, grading, and compacting in quadrants Q- 55 through Q-50.

Total of 8 truck loads of contaminated soil hauled from Site today (all trucks hauling <50 ppm PCB contamination to Turnkey).

### Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (04701) set up for automatic logging (every 15 minutes). Manual dust monitoring readings averaged between .030 mg/m<sup>3</sup> to .080 mg/m<sup>3</sup> during the day.

Dust monitoring logging data for today was identified as TAG # 7 and TAG # 8. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.005 mg/m<sup>3</sup>-0.020 mg/m<sup>3</sup>. The overall average concentration for the day was 0.015 mg/m<sup>3</sup>.

pDR-1000 S/N: 00000  
User ID: 04701  
Tag Number: 07  
Number of logged points: 2  
Start time and date: 06:57:16 09-Sep  
Elapsed time: 00:30:00  
Logging period (sec): 900  
Calibration Factor (%): 100  
Max Display Concentration: 0.552 mg/m<sup>3</sup>  
Time at maximum: 07:28:02 Sep 09  
Max STEL Concentration: 0.378 mg/m<sup>3</sup>  
Time at max STEL: 07:12:46 Sep 09  
Overall Avg Conc: 0.374 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	9-Sep	07:12:16	0.377
2	9-Sep	07:27:16	0.368

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pDR-1000 S/N: 00000  
User ID: 04701  
Tag Number: 08  
Number of logged points: 24  
Start time and date: 07:36:41 09-Sep  
Elapsed time: 06:00:00  
Logging period (sec): 900  
Calibration Factor (%): 100  
Max Display Concentration: 0.345 mg/m<sup>3</sup>  
Time at maximum: 09:12:10 Sep 09  
Max STEL Concentration: 0.027 mg/m<sup>3</sup>  
Time at max STEL: 13:34:12 Sep 09  
Overall Avg Conc: 0.015 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	9-Sep	07:51:41	0.012
2	9-Sep	08:06:41	0.005
3	9-Sep	08:21:41	0.008
4	9-Sep	08:36:41	0.006
5	9-Sep	08:51:41	0.011
6	9-Sep	09:06:41	0.012
7	9-Sep	09:21:41	0.012
8	9-Sep	09:36:41	0.012
9	9-Sep	09:51:41	0.011
10	9-Sep	10:06:41	0.008
11	9-Sep	10:21:41	0.016
12	9-Sep	10:36:41	0.014
13	9-Sep	10:51:41	0.011
14	9-Sep	11:06:41	0.014
15	9-Sep	11:21:41	0.016
16	9-Sep	11:36:41	0.017
17	9-Sep	11:51:41	0.02
18	9-Sep	12:06:41	0.021
19	9-Sep	12:21:41	0.022
20	9-Sep	12:36:41	0.022
21	9-Sep	12:51:41	0.023
22	9-Sep	13:06:41	0.023
23	9-Sep	13:21:41	0.025
24	9-Sep	13:36:41	0.026

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# McCoy Field-Keith Middle School Construction Project New Bedford, MA

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## Daily Field Notes and Dust Monitoring

**Date:** September 10, 2004      **Field Personnel:** Jim Smith, BETA Group, Inc.

**Time on Site:** 6:30-15:00

**Weather:** AM- partly cloudy, 70°      PM- partly cloudy, 80°

**Wind:** AM- slight, from N      PM- moderate, from N

### Summary of Activities Performed

WES Construction excavating soil from north utility corridor quadrant Q-60. Contaminated soil being loaded into trailer trucks for off-site management.

WES lining excavation, backfilling, grading, and compacting in quadrants Q- 58 through Q-55.

Total of 3 truck loads of contaminated soil hauled from Site today (all trucks hauling >50 ppm PCB contamination).

### Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (04701) set up for automatic logging (every 15 minutes). Manual dust monitoring readings averaged between .010 mg/m<sup>3</sup> to .040 mg/m<sup>3</sup> during the day.

Dust monitoring logging data for today was identified as TAG # 9. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.030 mg/m<sup>3</sup>-0.100 mg/m<sup>3</sup>. The overall average concentration for the day was 0.049 mg/m<sup>3</sup>.

pDR-1000 S/N: 00000  
User ID: 04701  
Tag Number: 09  
Number of logged points: 22  
Start time and date: 07:00:27 10-Sep  
Elapsed time: 05:30:00  
Logging period (sec): 900  
Calibration Factor (%): 100  
Max Display Concentration: 2.328 mg/m<sup>3</sup>  
Time at maximum: 10:39:11 Sep 10  
Max STEL Concentration: 0.103 mg/m<sup>3</sup>  
Time at max STEL: 10:45:57 Sep 10  
Overall Avg Conc: 0.049 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	10-Sep	07:15:27	0.038
2	10-Sep	07:30:27	0.038
3	10-Sep	07:45:27	0.039
4	10-Sep	08:00:27	0.04
5	10-Sep	08:15:27	0.037
6	10-Sep	08:30:27	0.037
7	10-Sep	08:45:27	0.04
8	10-Sep	09:00:27	0.038
9	10-Sep	09:15:27	0.046
10	10-Sep	09:30:27	0.053
11	10-Sep	09:45:27	0.047
12	10-Sep	10:00:27	0.041
13	10-Sep	10:15:27	0.042
14	10-Sep	10:30:27	0.045
15	10-Sep	10:45:27	0.102
16	10-Sep	11:00:27	0.053
17	10-Sep	11:15:27	0.046
18	10-Sep	11:30:27	0.042
19	10-Sep	11:45:27	0.06
20	10-Sep	12:00:27	0.05
21	10-Sep	12:15:27	0.059
22	10-Sep	12:30:27	0.083

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