Week of October 4, 2004

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

Daily Field Notes and Dust Monitoring

Date: October 4, 2004 **Field Personnel:** Barbara Markley, BETA Group, Inc.

Time on Site: 6:45-11:00

Weather: **AM-** partly cloudy, foggy, 50° **PM-** NA

Wind: **AM-** light and variable to none **PM-** NA

Summary of Activities Performed

Site construction activities included pile driving in the southern portion (Part A) of the building footprint. Northeast Piledriving performed pile driving activities. A total of 6 piles were driven and one (1) was refused during the period of on-site observation. Loam was applied to embankment areas. Additional pile locations were surveyed by WES Construction.

No contaminated soil was hauled from the Site today.

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (05037) set up for automatic logging (every 15 minutes). It should be noted that the foggy conditions resulted in slightly elevated instrument readings. Manual dust monitoring readings averaged 0.008 mg/m^3 to 0.107 mg/m^3 during the day.

The logging unit compiled average dust concentrations every fifteen minutes throughout the day (Tag #2). The fifteen-minute averages ranged between approximately 0.16 mg/m^3- 0.086 mg/m^3. The overall average concentration for the day was 0.045 mg/m^3.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 02
Number of logged points: 15
Start time and date: 06:59:41 04-Oct
Elapsed time: 03:45:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.499 mg/m³
Time at maximum: 09:16:04 Oct 04
Max STEL Concentration: 0.089 mg/m³
Time at max STEL: 07:33:42 Oct 04
Overall Avg Conc: 0.045 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	4-Oct	07:14:41	0.063
2	4-Oct	07:29:41	0.082
3	4-Oct	07:44:41	0.068
4	4-Oct	07:59:41	0.047
5	4-Oct	08:14:41	0.04
6	4-Oct	08:29:41	0.038
7	4-Oct	08:44:41	0.051
8	4-Oct	08:59:41	0.057
9	4-Oct	09:14:41	0.086
10	4-Oct	09:29:41	0.04
11	4-Oct	09:44:41	0.035
12	4-Oct	09:59:41	0.022
13	4-Oct	10:14:41	0.019
14	4-Oct	10:29:41	0.017
15	4-Oct	10:44:41	0.016

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McCoy Field-Keith Middle School Construction Project
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Daily Field Notes and Dust Monitoring

Date: October 5, 2004 **Field Personnel:** Christian Alarie, BETA Group, Inc.

Time on Site: 7:00-14:45

Weather: **AM-** sunny & windy, 50° **PM-** sunny 60°

Wind: **AM-** strong, from North to South **PM-** strong, from North to South

Summary of Activities Performed

WES worked on excavating soil in the western section of the site near the Summit Street utility cut through for water line placement. WES worked on installing the water line in this area. All impacted soils encountered were removed and stockpiled near the northern utility corridor. WES unloaded phase II supplies and excavated boulders that prevented the placement of pilings to the desired depths. Boulders were removed to the northern section of the site for later pulverization. The excavations were backfilled accordingly. A geotextile fabric was placed over impacted soil in the excavated areas and clean fill was placed over that.

The lawn care company worked on seeding the embankment in the western section of the site near the Summit Street utility cut through.

Land Planning worked on surveying the site for future soil sampling.

Northeast Pile Driving (NEP) worked on driving pilings throughout the day.

Impacted soil was not removed from the site today.

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (05037) set up for automatic logging (every 15 minutes). Manual dust monitoring readings ranged between .000 mg/m^3 to .167 mg/m^3 during the day. The average daily manual dust monitoring reading was 0.035 mg/m^3

Dust monitoring logging data for today was identified as TAG # 3. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The

fifteen-minute averages ranged between approximately 0.004 mg/m^3-0.119 mg/m^3. The overall average concentration for the day was 0.035 mg/m^3.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 03
Number of logged points: 29
Start time and date: 07:10:48 05-Oct
Elapsed time: 07:15:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 2.279 mg/m³
Time at maximum: 10:07:46 Oct 05
Max STEL Concentration: 0.145 mg/m³
Time at max STEL: 13:00:49 Oct 05
Overall Avg Conc: 0.035 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	5-Oct	07:25:48	0.007
2	5-Oct	07:40:48	0.005
3	5-Oct	07:55:48	0.004
4	5-Oct	08:10:48	0.005
5	5-Oct	08:25:48	0.01
6	5-Oct	08:40:48	0.018
7	5-Oct	08:55:48	0.037
8	5-Oct	09:10:48	0.027
9	5-Oct	09:25:48	0.012
10	5-Oct	09:40:48	0.014
11	5-Oct	09:55:48	0.036
12	5-Oct	10:10:48	0.103
13	5-Oct	10:25:48	0.027
14	5-Oct	10:40:48	0.043
15	5-Oct	10:55:48	0.012
16	5-Oct	11:10:48	0.015
17	5-Oct	11:25:48	0.013
18	5-Oct	11:40:48	0.017
19	5-Oct	11:55:48	0.031
20	5-Oct	12:10:48	0.028
21	5-Oct	12:25:48	0.064
22	5-Oct	12:40:48	0.058
23	5-Oct	12:55:48	0.119
24	5-Oct	13:10:48	0.059
25	5-Oct	13:25:48	0.037
26	5-Oct	13:40:48	0.031
27	5-Oct	13:55:48	0.053
28	5-Oct	14:10:48	0.111
29	5-Oct	14:25:48	0.035

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McCoy Field-Keith Middle School Construction Project
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Daily Field Notes and Dust Monitoring

Date: October 6, 2004 **Field Personnel:** Christian Alarie, BETA Group, Inc.

Time on Site: 7:00-14:45

Weather: **AM-** sunny 40° **PM-** sunny 60°

Wind: **AM-** slight from North to South **PM-** slight from South to North

Summary of Activities Performed

WES worked on excavating soil in the western section of the site near the Summit Street utility cut through for water line placement. WES worked on installing the water line in this area. All impacted soils encountered in this area were removed and stockpiled near the northern utility corridor. A geotextile fabric was placed in the areas excavated for the water line separating it from impacted soils. After the water line was placed in the excavated area the excavation was backfilled with clean fill material as appropriate. WES also worked on excavating boulders that prevented the placement of pilings to desired depths. Boulders were removed to the northern section of the site for later pulverization. All of the areas excavated for the removal of subsurface boulders were backfilled accordingly. A geotextile fabric was placed over impacted soil in those area and clean fill was placed over that. WES also worked on surveying the site for piling placement. Stockpiled soil located near the northern utility corridor was live loaded for off site disposal.

A total of three (3) truck loads of impacted soil were removed from the site today.

Land Planning worked on surveying the site for future soil sampling activities.

Northeast Pile Driving (NEP) worked on driving pilings throughout the day.

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (05037) set up for automatic logging (every 15 minutes). Manual dust monitoring readings ranged between .000 mg/m^3 to .396 mg/m^3 during the day. The average daily manual dust monitoring reading was 0.036 mg/m^3. Following the detection of significant concentrations of airborne particulates, measures were taken to control operations and

reduce the generation of dust at the site. Measures taken were effective, resulting in much lower concentrations of airborne particulates (dust).

Dust monitoring logging data for today was identified as TAG # 4. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.002 mg/m^3-0.033 mg/m^3. The overall average concentration for the day was 0.011 mg/m^3.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 04
Number of logged points: 29
Start time and date: 07:08:51 06-Oct
Elapsed time: 07:15:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 1.711 mg/m³
Time at maximum: 10:59:39 Oct 06
Max STEL Concentration: 0.038 mg/m³
Time at max STEL: 10:59:52 Oct 06
Overall Avg Conc: 0.011 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	6-Oct	07:23:51	0.017
2	6-Oct	07:38:51	0.01
3	6-Oct	07:53:51	0.01
4	6-Oct	08:08:51	0.014
5	6-Oct	08:23:51	0.016
6	6-Oct	08:38:51	0.022
7	6-Oct	08:53:51	0.018
8	6-Oct	09:08:51	0.02
9	6-Oct	09:23:51	0.015
10	6-Oct	09:38:51	0.013
11	6-Oct	09:53:51	0.008
12	6-Oct	10:08:51	0.008
13	6-Oct	10:23:51	0.014
14	6-Oct	10:38:51	0.006
15	6-Oct	10:53:51	0.012
16	6-Oct	11:08:51	0.033
17	6-Oct	11:23:51	0.012
18	6-Oct	11:38:51	0.012
19	6-Oct	11:53:51	0.005
20	6-Oct	12:08:51	0.006
21	6-Oct	12:23:51	0.009
22	6-Oct	12:38:51	0.002
23	6-Oct	12:53:51	0.005
24	6-Oct	13:08:51	0.004
25	6-Oct	13:23:51	0.003
26	6-Oct	13:38:51	0.004
27	6-Oct	13:53:51	0.003
28	6-Oct	14:08:51	0.005
29	6-Oct	14:23:51	0.004

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McCoy Field-Keith Middle School Construction Project
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Daily Field Notes and Dust Monitoring

Date: October 7, 2004 **Field Personnel:** Jim Smith, BETA Group, Inc.

Time on Site: 6:30-14:30

Weather: **AM-** sunny, 45-55° **PM-** sunny, 60-65°

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

Summary of Activities Performed

WES Construction spending a portion of the day removing "obstructions" from within the building footprint area. Obstructions are large boulders that have prevented the pile driving crew from properly driving piles to the required depths for structural integrity of the future school building. WES transporting excavated soil to temporary stockpile until the each obstruction is removed, then backfilling.

Northeast Pile Driving on site, driving piles within building footprint area.

Total of 3 truck loads of contaminated soil hauled from Site today (all trucks hauling <50 ppm PCB contamination from stockpile in north utility corridor area, for off-site management at Turnkey).

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (05037) set up for automatic logging (every 15 minutes). Manual dust monitoring readings averaged between 0.002 mg/m^3 to 0.047 mg/m^3 during the day.

Dust monitoring logging data for today was identified as TAG # 5 and TAG # 6. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.07 mg/m^3-0.028 mg/m^3. The overall average concentration for the day was 0.015 mg/m^3.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 05
Number of logged points: 2
Start time and date: 06:53:21 07-Oct
Elapsed time: 00:30:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.043 mg/m³
Time at maximum: 06:59:05 Oct 07
Max STEL Concentration: 0.011 mg/m³
Time at max STEL: 07:30:21 Oct 07
Overall Avg Conc: 0.009 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	7-Oct	07:08:21	0.009
2	7-Oct	07:23:21	0.007

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BETA

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

Daily Field Notes and Dust Monitoring

Date: October 8, 2004 **Field Personnel:** Ed Beach, EST

Time on Site: 8:55-2:15

Weather: **AM-** sunny, 40° **PM-** sunny, 50°

Wind: **AM-** slight to moderate, from S **PM-** steady, moderate, from S

Summary of Activities Performed

WES Construction excavating soil from south detention basin area for off-site management. WES also excavated obstructions in areas of refused pilings. The soil was temporarily stockpiled during the excavation of the obstruction and then returned to the hole prior to re-driving the piling.

Northeast Pile Driving on site, driving piles within building footprint area.

Total of 2 truck loads of contaminated soil hauled from Site today (hauling <50 ppm PCB contamination for off-site management at Turnkey).

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (05037) set up for automatic logging (every 15 minutes). Manual dust monitoring readings averaged between 0.000 mg/m^3 to 0.134 mg/m^3 during the day.

Dust monitoring logging data for today was not recovered from the instrument.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 07
Number of logged points: 26
Start time and date: 07:37:22 08-Oct
Elapsed time: 06:30:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 3.246 mg/m³
Time at maximum: 10:42:29 Oct 08
Max STEL Concentration: 0.132 mg/m³
Time at max STEL: 08:28:52 Oct 08
Overall Avg Conc: 0.036 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	8-Oct	07:52:22	0.058
2	8-Oct	08:07:22	0.06
3	8-Oct	08:22:22	0.1
4	8-Oct	08:37:22	0.117
5	8-Oct	08:52:22	0.049
6	8-Oct	09:07:22	0.038
7	8-Oct	09:22:22	0.041
8	8-Oct	09:37:22	0.052
9	8-Oct	09:52:22	0.029
10	8-Oct	10:07:22	0.021
11	8-Oct	10:22:22	0.018
12	8-Oct	10:37:22	0.014
13	8-Oct	10:52:22	0.081
14	8-Oct	11:07:22	0.01
15	8-Oct	11:22:22	0.065
16	8-Oct	11:37:22	0.028
17	8-Oct	11:52:22	0.015
18	8-Oct	12:07:22	0.013
19	8-Oct	12:22:22	0.013
20	8-Oct	12:37:22	0.011
21	8-Oct	12:52:22	0.027
22	8-Oct	13:07:22	0.013
23	8-Oct	13:22:22	0.014
24	8-Oct	13:37:22	0.014
25	8-Oct	13:52:22	0.017
26	8-Oct	14:07:22	0.016

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

Daily Field Notes and Dust Monitoring

Date: October 9, 2004 **Field Personnel:** Christian Alarie, BETA Group, Inc.

Time on Site: 6:58-14:20

Weather: **AM-** foggy 50° **PM-**

Wind: **AM-** slight from North to South **PM-** slight from North to South

Summary of Activities Performed

WES worked on the water line from Summit Street to the northern utility corridor. Impacted soils removed from the water line area were stockpiled near the northern utility corridor. All excavated soil from this area contained concentrations of <50 parts per million (ppm) of PCBs. Four 20 foot sections of pipe were installed today.

Impacted soils were not removed from the site today.

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit (02352) for manual logging, and one unit (05037) set up for automatic logging (every 15 minutes). Manual dust monitoring readings ranged between .000 mg/m^3 to .259 mg/m^3 during the day. The average daily manual dust monitoring reading was 0.042 mg/m^3.

Dust monitoring logging data for today was identified as TAG # 8. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.000 mg/m^3-0.055 mg/m^3. The overall average concentration for the day was 0.007 mg/m^3.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 08
Number of logged points: 27
Start time and date: 07:14:28 09-Oct
Elapsed time: 06:45:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.492 mg/m³
Time at maximum: 07:15:11 Oct 09
Max STEL Concentration: 0.055 mg/m³
Time at max STEL: 07:29:28 Oct 09
Overall Avg Conc: 0.007 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	9-Oct	07:29:28	0.055
2	9-Oct	07:44:28	0.019
3	9-Oct	07:59:28	0.031
4	9-Oct	08:14:28	0.009
5	9-Oct	08:29:28	0.004
6	9-Oct	08:44:28	0.002
7	9-Oct	08:59:28	0
8	9-Oct	09:14:28	0
9	9-Oct	09:29:28	0
10	9-Oct	09:44:28	0
11	9-Oct	09:59:28	0.006
12	9-Oct	10:14:28	0.015
13	9-Oct	10:29:28	0.004
14	9-Oct	10:44:28	0.001
15	9-Oct	10:59:28	0.001
16	9-Oct	11:14:28	0.002
17	9-Oct	11:29:28	0.002
18	9-Oct	11:44:28	0.005
19	9-Oct	11:59:28	0.003
20	9-Oct	12:14:28	0.008
21	9-Oct	12:29:28	0.012
22	9-Oct	12:44:28	0.009
23	9-Oct	12:59:28	0.004
24	9-Oct	13:14:28	0.007
25	9-Oct	13:29:28	0.006
26	9-Oct	13:44:28	0.005
27	9-Oct	13:59:28	0.031

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