

Week of September 27, 2004

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

Daily Field Notes and Dust Monitoring

Date: September 27, 2004 **Field Personnel:** Jim Smith, BETA Group, Inc.

Time on Site: 6:30-15:00

Weather: AM- Foggy, cloudy, 55° PM- hazy, partly sunny, 70-75°

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

Summary of Activities Performed

WES Construction performing a variety of tasks today, including grading at utility easement area near Summit Road.

WES also installing one additional length of water pipe near Summit Road. A small amount of contaminated soil was generated during this activity, and was added to the excavated soil in the north utility corridor area, awaiting hauling for disposal.

No contaminated soil excavated or hauled from 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 averaged between 0.022 mg/m³ to 0.177 mg/m³ (early morning mist) during the day.

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 0.020 mg/m³-0.250 mg/m³. Most of the higher readings were recorded in the early morning hours, when airborne moisture was at a maximum. The overall average concentration for the day was 0.065 mg/m³.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 04
Number of logged points: 28
Start time and date: 06:49:44 27-Sep
Elapsed time: 07:00:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 1.474 mg/m³
Time at maximum: 07:06:32 Sep 27
Max STEL Concentration: 0.362 mg/m³
Time at max STEL: 07:07:44 Sep 27
Overall Avg Conc: 0.065 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	27-Sep	07:04:44	0.253
2	27-Sep	07:19:44	0.162
3	27-Sep	07:34:44	0.109
4	27-Sep	07:49:44	0.201
5	27-Sep	08:04:44	0.067
6	27-Sep	08:19:44	0.056
7	27-Sep	08:34:44	0.049
8	27-Sep	08:49:44	0.1
9	27-Sep	09:04:44	0.118
10	27-Sep	09:19:44	0.07
11	27-Sep	09:34:44	0.053
12	27-Sep	09:49:44	0.05
13	27-Sep	10:04:44	0.05
14	27-Sep	10:19:44	0.043
15	27-Sep	10:34:44	0.031
16	27-Sep	10:49:44	0.033
17	27-Sep	11:04:44	0.031
18	27-Sep	11:19:44	0.047
19	27-Sep	11:34:44	0.026
20	27-Sep	11:49:44	0.038
21	27-Sep	12:04:44	0.037
22	27-Sep	12:19:44	0.045
23	27-Sep	12:34:44	0.039
24	27-Sep	12:49:44	0.04
25	27-Sep	13:04:44	0.034
26	27-Sep	13:19:44	0.019
27	27-Sep	13:34:44	0.02
28	27-Sep	13:49:44	0.022

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

Daily Field Notes and Dust Monitoring

Date: September 28, 2004 **Field Personnel:** Jim Smith, BETA Group, Inc.

Time on Site: 6:30-11:00

Weather: AM- cloudy, 55° PM- rain, 60°

Wind: AM- slight, from S PM-

Summary of Activities Performed

WES Construction performing a variety of tasks today, including grading, installing security fencing, and spreading loam at utility easement area near Summit Road.

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

No contaminated soil excavated or hauled from Site today.

Rain began at approximately 9:45 today. Continued to monitor dust concentrations until 10:45.

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 0.015 mg/m³ to 0.163 mg/m³ (early morning mist) during the morning.

Dust monitoring logging data for today was identified as TAG # 5. The logging unit compiled average dust concentrations every fifteen minutes throughout the morning. The fifteen-minute averages ranged between approximately 0.013 mg/m³-0.222 mg/m³. The higher readings were recorded in the early morning hours, when airborne moisture was at a maximum, prior to rainfall. The overall average concentration for the morning was 0.078 mg/m³.

pDR-1000 S/N: 04870
User ID: 05037
Tag Number: 05
Number of logged points: 16
Start time and date: 06:47:12 28-Sep
Elapsed time: 04:00:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.622 mg/m³
Time at maximum: 07:54:50 Sep 28
Max STEL Concentration: 0.232 mg/m³
Time at max STEL: 07:23:42 Sep 28
Overall Avg Conc: 0.078 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	28-Sep	07:02:12	0.072
2	28-Sep	07:17:12	0.222
3	28-Sep	07:32:12	0.213
4	28-Sep	07:47:12	0.153
5	28-Sep	08:02:12	0.141
6	28-Sep	08:17:12	0.099
7	28-Sep	08:32:12	0.085
8	28-Sep	08:47:12	0.076
9	28-Sep	09:02:12	0.034
10	28-Sep	09:17:12	0.032
11	28-Sep	09:32:12	0.032
12	28-Sep	09:47:12	0.019
13	28-Sep	10:02:12	0.025
14	28-Sep	10:17:12	0.012
15	28-Sep	10:32:12	0.051
16	28-Sep	10:47:12	0.013

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

Daily Field Notes and Dust Monitoring

Date: September 29, 2004 **Field Personnel:** Jim Smith, BETA Group, Inc.

Time on Site: 6:30-10:00

Weather: AM- heavy rain, 55° PM- rain tapering off, 60°

Wind: AM- strong, from N/NE PM-

Summary of Activities Performed

WES Construction performing a variety of tasks today, including grading and various site maintenance activities.

No contaminated soil excavated or hauled from Site today.

Rain heavy throughout morning.

No dust monitoring today. I assisted Barbara Markley in soil sampling for a portion of the morning. Soil sampling aborted at 10:00.

Summary of Dust Monitoring Results

Heavy rains all day. Thus, dust monitoring was not performed.

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

Daily Field Notes and Dust Monitoring

Date: October 1, 2004

Field Personnel: Christian Alarie, BETA Group, Inc.

Time on Site: 6:59-14:55

Weather: AM- sunny & cool, 55° PM-

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

Summary of Activities Performed

WES Construction excavated soil in the south central portion of the site from beneath the future building footprint to remove boulders for piling placement. Boulders were removed and the excavated areas were backfilled accordingly. Geotextile fabric was placed over the impacted soil in the excavated areas and clean fill material was placed over that. WES also worked on surveying the site for piling placement and moving large boulders to a common area for later pulverization. WES also placed fertilizer in the western section of the site near the Summit Street cut through for grass growth.

The majority of soils encountered today were wet due to recent precipitation, as a result there was little dust generated today.

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/m³ to .356 mg/m³ during the day. The average daily manual dust monitoring reading was 0.045 mg/m³. 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 # 1. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The

fifteen-minute averages ranged between approximately 0.013 mg/m³-0.076 mg/m³. The overall average concentration for the day was 0.028 mg/m³.

pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 01

Number of logged points: 29

Start time and date: 07:05:06 01-Oct

Elapsed time: 07:15:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 1.065 mg/m³

Time at maximum: 07:15:40 Oct 01

Max STEL Concentration: 0.077 mg/m³

Time at max STEL: 13:05:37 Oct 01

Overall Avg Conc: 0.028 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	1-Oct	07:20:06	0.068
2	1-Oct	07:35:06	0.043
3	1-Oct	07:50:06	0.042
4	1-Oct	08:05:06	0.032
5	1-Oct	08:20:06	0.024
6	1-Oct	08:35:06	0.022
7	1-Oct	08:50:06	0.022
8	1-Oct	09:05:06	0.023
9	1-Oct	09:20:06	0.018
10	1-Oct	09:35:06	0.016
11	1-Oct	09:50:06	0.013
12	1-Oct	10:05:06	0.013
13	1-Oct	10:20:06	0.013
14	1-Oct	10:35:06	0.045
15	1-Oct	10:50:06	0.037
16	1-Oct	11:05:06	0.062
17	1-Oct	11:20:06	0.015
18	1-Oct	11:35:06	0.013
19	1-Oct	11:50:06	0.029
20	1-Oct	12:05:06	0.016
21	1-Oct	12:20:06	0.013
22	1-Oct	12:35:06	0.018
23	1-Oct	12:50:06	0.028
24	1-Oct	13:05:06	0.076
25	1-Oct	13:20:06	0.022
26	1-Oct	13:35:06	0.023
27	1-Oct	13:50:06	0.021
28	1-Oct	14:05:06	0.019
29	1-Oct	14:20:06	0.021

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