

Week of August 2, 2004

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

Daily Field Notes and Dust Monitoring

Date: August 2, 2004

Field Personnel: Jim Smith, BETA Group, Inc.

Time on Site: 6:30-15:00

Weather: AM- hazy, humid, 80°

PM- humid, 80°

Wind: AM- slight, from S

PM- steady, from SW

Summary of Activities Performed

WES Construction activities include installing roof drainage pipes (outfalls) along western embankment, and excavation in select areas of embankment prior to installation of outfall pipes. Contaminated soil from these locations is being temporarily stockpiled for later disposal.

No contaminated soil hauled from Site today.

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 $.040 \text{ mg/m}^3$ to $.050 \text{ mg/m}^3$ during the day.

Today's automatic dust monitoring logging data is identified as TAG # 45. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.030 mg/m^3 - 0.120 mg/m^3 . The overall average concentration for the day was 0.053 mg/m^3 .

pDR-1000 S/N: 00000
User ID: 04701
Tag Number: 45
Number of logged points: 26
Start time and date: 06:55:38 02-Aug
Elapsed time: 06:30:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 1.564 mg/m³
Time at maximum: 12:07:37 Aug 02
Max STEL Concentration: 0.136 mg/m³
Time at max STEL: 12:03:39 Aug 02
Overall Avg Conc: 0.053 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	2-Aug	07:10:38	0.028
2	2-Aug	07:25:38	0.029
3	2-Aug	07:40:38	0.031
4	2-Aug	07:55:38	0.036
5	2-Aug	08:10:38	0.029
6	2-Aug	08:25:38	0.029
7	2-Aug	08:40:38	0.028
8	2-Aug	08:55:38	0.032
9	2-Aug	09:10:38	0.036
10	2-Aug	09:25:38	0.043
11	2-Aug	09:40:38	0.042
12	2-Aug	09:55:38	0.04
13	2-Aug	10:10:38	0.042
14	2-Aug	10:25:38	0.047
15	2-Aug	10:40:38	0.049
16	2-Aug	10:55:38	0.049
17	2-Aug	11:10:38	0.052
18	2-Aug	11:25:38	0.059
19	2-Aug	11:40:38	0.057
20	2-Aug	11:55:38	0.108
21	2-Aug	12:10:38	0.127
22	2-Aug	12:25:38	0.098
23	2-Aug	12:40:38	0.071
24	2-Aug	12:55:38	0.07
25	2-Aug	13:10:38	0.064
26	2-Aug	13:25:38	0.074

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

Daily Field Notes and Dust Monitoring

Date: August 3, 2004

Field Personnel: Jim Smith, BETA Group, Inc.

Time on Site: 6:30-15:00

Weather: AM- cloudy, foggy, humid, 80° PM- cloudy, 80°

Wind: light, from S

Summary of Activities Performed

WES Construction backfilling, compacting, and grading areas of outfall pipe installations.

No contaminated soil hauled from Site today.

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 $.080 \text{ mg/m}^3$ to $.120 \text{ mg/m}^3$ during the day, largely due to foggy, humid conditions that persisted throughout the day.

Today's automatic dust monitoring logging data is identified as TAG # 46. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.050 mg/m^3 - 0.100 mg/m^3 , with one average exceeding 0.140 mg/m^3 . The overall average concentration for the day was 0.076 mg/m^3 .

pDR-1000 S/N: 00000

User ID: 04701

Tag Number: 46

Number of logged points: 30

Start time and date: 06:57:03 03-Aug

Elapsed time: 07:30:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 1.451 mg/m³

Time at maximum: 09:39:10 Aug 03

Max STEL Concentration: 0.151 mg/m³

Time at max STEL: 12:24:33 Aug 03

Overall Avg Conc: 0.076 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	3-Aug	07:12:03	0.066
2	3-Aug	07:27:03	0.064
3	3-Aug	07:42:03	0.055
4	3-Aug	07:57:03	0.069
5	3-Aug	08:12:03	0.093
6	3-Aug	08:27:03	0.06
7	3-Aug	08:42:03	0.059
8	3-Aug	08:57:03	0.063
9	3-Aug	09:12:03	0.063
10	3-Aug	09:27:03	0.065
11	3-Aug	09:42:03	0.098
12	3-Aug	09:57:03	0.087
13	3-Aug	10:12:03	0.084
14	3-Aug	10:27:03	0.083
15	3-Aug	10:42:03	0.081
16	3-Aug	10:57:03	0.081
17	3-Aug	11:12:03	0.081
18	3-Aug	11:27:03	0.084
19	3-Aug	11:42:03	0.083
20	3-Aug	11:57:03	0.09
21	3-Aug	12:12:03	0.098
22	3-Aug	12:27:03	0.148
23	3-Aug	12:42:03	0.092
24	3-Aug	12:57:03	0.079
25	3-Aug	13:12:03	0.076
26	3-Aug	13:27:03	0.065
27	3-Aug	13:42:03	0.053
28	3-Aug	13:57:03	0.055
29	3-Aug	14:12:03	0.057
30	3-Aug	14:27:03	0.055

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

Daily Field Notes and Dust Monitoring

Date: August 4, 2004

Field Personnel: Christian Alarie, BETA Group, Inc.

Time on Site: 6:56-14:45

Weather: AM- Warm 70 to 80°

PM- Warm, Sunny, Dry 80 to 90°

Wind: 7 am-Strong, from North

Summary of Activities Performed

WES Construction worked on clearing a path from the utility corridor west towards Summit Street. Trees were knocked down and removed from the area, soil was graded accordingly and boulders and chunks of asphalt were unearthed.

WES worked on sloping and compacting material along the embankment from Q-5 to Q-12.

No soil was removed from the Site today.

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit for manual logging and one unit set up for automatic logging (every 15 minutes). Automatic logging unit TAG # 47.

Concentrations from manual logging in the morning ranged from .000-.301 mg/m³, with a one time spike of 0.578 mg/m³ and an average concentration of 0.049 mg/m³. Concentrations from manual logging in the afternoon ranged from .000-.300 mg/m³, with a one time spike of 0.803 mg/m³ and an average concentration of 0.123 mg/m³. All dust monitoring locations exhibited low (<0.100 mg/m³) to moderate (0.100 to 0.400 mg/m³) levels of particulates, with the exception of the down wind readings recorded at 10:18 am and 2:00 pm where readings of 0.578 and 0.803 mg/m³ were recorded. At several points during the day all access roads, work areas and clean fill (sand, stone and gravel) were wet down to prevent dust generation including immediately following the 10:18 and 2:00 pm readings.

Concentrations from automatic logging were reading extremely high in the morning with concentrations in excess of 10.0 mg/m³ in a dust free environment. Even after working to

remedy the situation the PDR unit was not able to be used during the day due to continuous excessively high, unreliable readings. Pine Environmental, the company from which the PDR unit was rented was contacted about the situation.

pDR-1000 S/N: 00000

User ID: 04701

Tag Number: 47

Number of logged points: 7

Start time and date: 07:01:51 04-Aug

Elapsed time: 01:45:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 17.826 mg/m³

Time at maximum: 08:38:46 Aug 04

Max STEL Concentration: 6.910 mg/m³

Time at max STEL: 08:50:51 Aug 04

Overall Avg Conc: 2.103 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	4-Aug	07:16:51	0.033
2	4-Aug	07:31:51	0.041
3	4-Aug	07:46:51	0.037
4	4-Aug	08:01:51	0.027
5	4-Aug	08:16:51	1.943
6	4-Aug	08:31:51	4.49
7	4-Aug	08:46:51	6.37

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

Daily Field Notes and Dust Monitoring

Date: August 5, 2004

Field Personnel: Jim Smith, BETA Group, Inc.

Time on Site: 6:30-15:00

Weather: AM- heavy rain, 60°

PM- clearing, 75°

Wind: AM- strong, from N

PM- moderate, from N

Summary of Activities Performed

WES Construction placing clean fill on southwestern portion of embankment, shaping berm around site. WES also cleared path between western embankment and Summit Rd., in preparation of repair and replacement work of sewer and drain lines.

No contaminated soil hauled from Site today.

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). Rain was too heavy throughout most of the day to require dust monitoring activities. Did not perform any dust monitoring activities throughout the day.

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

Daily Field Notes and Dust Monitoring

Date: August 6, 2004

Field Personnel: Christian Alarie, BETA Group, Inc.

Time on Site: 7:00-14:45

Weather: AM- Overcast, Breezy, 60° PM- Warmer, Sunny, 70 to 75°

Wind: 7 am-Strong, from North

Summary of Activities Performed

WES Construction worked on the path from the utility corridor west towards Summit Street. Soil was removed and stockpiled to allow for the placement of a drainage pipe. The drainage pipe was connected to the utility corridor. Geotextile fabric and clean fill (sand and gravel) were placed in, on and around the pipe. The fill was later compacted and the beginnings of a drainage feature was started beneath a section of the pipe.

WES worked on breaking up large boulders previously unearthed at the Site.

WES worked on laying a fence for erosion control along the embankments.

No soil was removed from the Site today.

Summary of Dust Monitoring Results

Two dust monitoring units on-site. One unit for manual logging and one unit set up for automatic logging.

Concentrations from manual logging in the morning ranged from .000-.097 mg/m³, with an average concentration of 0.035 mg/m³. Concentrations from manual logging in the afternoon ranged from .012-.197 mg/m³, with an average concentration of 0.057 mg/m³. All dust monitoring locations exhibited low (<0.100 mg/m³) to moderate (0.100 to 0.400 mg/m³) levels of particulates. At several points during the day all access roads, work areas and clean fill (sand, stone and gravel) were wet down to prevent dust generation.

Today's automatic dust monitoring logging data is identified as TAG # 48. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.005 mg/m³-0.111 mg/m³. The overall average concentration for the day was 0.047 mg/m³.

pDR-1000 S/N: 00000
User ID: 04701
Tag Number: 48
Number of logged points: 29
Start time and date: 07:09:29 06-Aug
Elapsed time: 07:15:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 1.742 mg/m³
Time at maximum: 14:00:03 Aug 06
Max STEL Concentration: 0.113 mg/m³
Time at max STEL: 14:13:59 Aug 06
Overall Avg Conc: 0.047 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	6-Aug	07:24:29	0.009
2	6-Aug	07:39:29	0.005
3	6-Aug	07:54:29	0.013
4	6-Aug	08:09:29	0.037
5	6-Aug	08:24:29	0.042
6	6-Aug	08:39:29	0.03
7	6-Aug	08:54:29	0.023
8	6-Aug	09:09:29	0.019
9	6-Aug	09:24:29	0.026
10	6-Aug	09:39:29	0.031
11	6-Aug	09:54:29	0.026
12	6-Aug	10:09:29	0.037
13	6-Aug	10:24:29	0.038
14	6-Aug	10:39:29	0.036
15	6-Aug	10:54:29	0.044
16	6-Aug	11:09:29	0.042
17	6-Aug	11:24:29	0.033
18	6-Aug	11:39:29	0.043
19	6-Aug	11:54:29	0.056
20	6-Aug	12:09:29	0.059
21	6-Aug	12:24:29	0.074
22	6-Aug	12:39:29	0.066
23	6-Aug	12:54:29	0.086
24	6-Aug	13:09:29	0.074
25	6-Aug	13:24:29	0.075
26	6-Aug	13:39:29	0.073
27	6-Aug	13:54:29	0.075
28	6-Aug	14:09:29	0.111
29	6-Aug	14:24:29	0.073

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

Daily Field Notes and Dust Monitoring

Date: August 7, 2004

Field Personnel: Jim Smith, BETA Group, Inc.

Time on Site: 6:30-15:00

Weather: AM- sunny, 50°

PM- sunny, 70°

Wind: AM- slight, from NE

PM- same

Summary of Activities Performed

WES Construction loaded contaminated soil in AM (soil that was stockpiled from excavation in outfall pipe areas). After loading soil, WES repaired failing stone driveway drainage problem by excavating soil, removing fabric, and filling with riprap and stone. WES spent remainder of day excavating clean fill, installing drain pipe, and backfilling and compacting in area of drain/sewer repair and replacement (easement near Summit Rd.). WES also began spreading loam on northern embankment, in preparation for hydro seeding.

WES installing drain pipe near Summit Road today.

Total of 4 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 .001 mg/m³ to .030 mg/m³ during the day.

Today's automatic dust monitoring logging data is identified as TAG # 49. The logging unit compiled average dust concentrations every fifteen minutes throughout the day. The fifteen-minute averages ranged between approximately 0.020 mg/m³-0.040 mg/m³. The overall average concentration for the day was 0.026 mg/m³.

pDR-1000 S/N: 00000

User ID: 04701

Tag Number: 49

Number of logged points: 24

Start time and date: 06:49:46 07-Aug

Elapsed time: 06:00:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 1.094 mg/m³

Time at maximum: 12:53:00 Aug 07

Max STEL Concentration: 0.038 mg/m³

Time at max STEL: 08:39:47 Aug 07

Overall Avg Conc: 0.026 mg/m³

Logged Data:

Point	Date	Time	Avg.(mg/m ³)
1	7-Aug	07:04:46	0.018
2	7-Aug	07:19:46	0.03
3	7-Aug	07:34:46	0.033
4	7-Aug	07:49:46	0.034
5	7-Aug	08:04:46	0.033
6	7-Aug	08:19:46	0.03
7	7-Aug	08:34:46	0.036
8	7-Aug	08:49:46	0.036
9	7-Aug	09:04:46	0.035
10	7-Aug	09:19:46	0.033
11	7-Aug	09:34:46	0.027
12	7-Aug	09:49:46	0.027
13	7-Aug	10:04:46	0.027
14	7-Aug	10:19:46	0.022
15	7-Aug	10:34:46	0.022
16	7-Aug	10:49:46	0.025
17	7-Aug	11:04:46	0.02
18	7-Aug	11:19:46	0.02
19	7-Aug	11:34:46	0.022
20	7-Aug	11:49:46	0.016
21	7-Aug	12:04:46	0.016
22	7-Aug	12:19:46	0.018
23	7-Aug	12:34:46	0.019
24	7-Aug	12:49:46	0.021

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