

**Week of November 1, 2004**

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

## Daily Field Notes and Summary of Dust Monitoring Activities

Date: 11/1/04 BETA Representative: James Smith

Time of Arrival: 6:30 Time of Departure: 15:15

Weather: AM- Sunny, 53° PM- Sunny, 60°

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

Contractors on Site

Description of Activities

WES Construction  
NEPD

excavation, loading, crushing boulders  
driving piles

Visitors to Site

Purpose of Visit

Summary of Site Activities Performed (by BETA and by Contractors)

WES excavating in north utility corridor area today  
- total of 14 trucks loaded today, all from north util. corridor  
area

WES also crushing excavated boulders ~~from~~ for later reuse on-site

WES moving storage trailer, bathroom, and other supplies to north  
of driveway to make room for move piles within building footprint

pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 20

Number of logged points: 6

Start time and date: 08:08:41 01-Nov

Elapsed time: 01:30:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 0.231 mg/m<sup>3</sup>

Time at maximum: 08:41:00 Nov 01

Max STEL Concentration: 0.010 mg/m<sup>3</sup>

Time at max STEL: 08:23:41 Nov 01

Overall Avg Conc: 0.005 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	1-Nov	08:23:41	0.01
2	1-Nov	08:38:41	0.007
3	1-Nov	08:53:41	0.007
4	1-Nov	09:08:41	0.001
5	1-Nov	09:23:41	0.002
6	1-Nov	09:38:41	0.006

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pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 21

Number of logged points: 19

Start time and date: 11:07:54 01-Nov

Elapsed time: 04:45:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 0.611 mg/m<sup>3</sup>

Time at maximum: 16:01:16 Nov 01

Max STEL Concentration: 0.039 mg/m<sup>3</sup>

Time at max STEL: 16:04:55 Nov 01

Overall Avg Conc: 0.018 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	1-Nov	11:22:54	0.033
2	1-Nov	11:37:54	0.013
3	1-Nov	11:52:54	0.02
4	1-Nov	12:07:54	0.017
5	1-Nov	12:22:54	0.015
6	1-Nov	12:37:54	0.014
7	1-Nov	12:52:54	0.017
8	1-Nov	13:07:54	0.014
9	1-Nov	13:22:54	0.014
10	1-Nov	13:37:54	0.014
11	1-Nov	13:52:54	0.013
12	1-Nov	14:07:54	0.016
13	1-Nov	14:22:54	0.012
14	1-Nov	14:37:54	0.013
15	1-Nov	14:52:54	0.014
16	1-Nov	15:07:54	0.017
17	1-Nov	15:22:54	0.022
18	1-Nov	15:37:54	0.021
19	1-Nov	15:52:54	0.019

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

## Daily Field Notes and Summary of Dust Monitoring Activities

Date: 11/2/04                      BETA Representative: James Smith

Time of Arrival: 6:30                      Time of Departure: 12:50

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

Wind: AM- slight, from NW                      PM- slight, from SW

**Contractors on Site**

**Description of Activities**

WES Construction  
NERM  
TDS

excavation, soil loading, backfilling, grading  
drilling piers  
drilling, soil borings

**Visitors to Site**

**Purpose of Visit**

Barbara Markley, BETA

drilling, soil borings

**Summary of Site Activities Performed (by BETA and by Contractors)**

WES excavating in north corridor area today  
- total of 9 truck loads hauled from site (before being replaced  
by Barbara Markley)

\* Note: Barbara Markley drilling w/ TDS during day  
- drill rig broke down, so Barbara took over excavation oversight  
and dust monitoring activities for remainder of day

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Date: 11/21/04

BETA Representative: James Smith

**Summary of Site Activities Performed (continued)**

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**Comments:**

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**Summary of Dust Monitoring Results**

Logging Unit - 05037 - run from 7:00 - (15:00)  
TAG # 22

Manual Unit - 02352  
- manual readings ranged from .001 - .079, avg. .020

**Comments**

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pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 01

Number of logged points: 23

Start time and date: 07:55:00 02-Nov

Elapsed time: 05:45:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 1.053 mg/m<sup>3</sup>

Time at maximum: 09:35:45 Nov 02

Max STEL Concentration: 0.074 mg/m<sup>3</sup>

Time at max STEL: 10:31:01 Nov 02

Overall Avg Conc: 0.020 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	2-Nov	08:10:00	0.014
2	2-Nov	08:25:00	0.01
3	2-Nov	08:40:00	0.009
4	2-Nov	08:55:00	0.013
5	2-Nov	09:10:00	0.007
6	2-Nov	09:25:00	0.008
7	2-Nov	09:40:00	0.056
8	2-Nov	09:55:00	0.026
9	2-Nov	10:10:00	0.014
10	2-Nov	10:25:00	0.029
11	2-Nov	10:40:00	0.064
12	2-Nov	10:55:00	0.046
13	2-Nov	11:10:00	0.032
14	2-Nov	11:25:00	0.008
15	2-Nov	11:40:00	0.016
16	2-Nov	11:55:00	0.015
17	2-Nov	12:10:00	0.011
18	2-Nov	12:25:00	0.014
19	2-Nov	12:40:00	0.014
20	2-Nov	12:55:00	0.012
21	2-Nov	13:10:00	0.008
22	2-Nov	13:25:00	0.004
23	2-Nov	13:40:00	0.026

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

## Daily Field Notes and Summary of Dust Monitoring Activities

Date: 11/3/04 BETA Representative: James Smith

Time of Arrival: 6:30 Time of Departure: 15:00

Weather: AM- mostly cloudy, 45° PM- Sunny, 55°

Wind: AM- strong, steady, from N/W PM- very strong, steady, from N/W

Contractors on Site

Description of Activities

WES Construction  
NEPD  
TDS

backfilling, manhole installation  
Pile driving  
drilling, soil borings

Visitors to Site

Purpose of Visit

Barbara Markley, BETA

drilling, soil borings

Summary of Site Activities Performed (by BETA and by Contractors)

WES spending the day backfilling, grading, setting manhole structures

- \* WES unable to continue excavation + soil loading in north utility corridor area
  - Turnkey facility put soil shipping on hold
  - WES already reached approved quota of cont. soil
  - spoke w/ Jackie Hussain, who is trying to resolve situation.

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Date: 11/3/04

BETA Representative: James Smith

Summary of Site Activities Performed (continued)

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Comments:

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Summary of Dust Monitoring Results

- Logging unit 05037 logging 7:00 - approx. 14:30 - 15:00  
TAG # 2

- Manual units 02352 - measured from 7:00 - 14:30  
AM - readings ranged from .004 - .083  
PM - range .023 - .089 (generally higher than AM)

Comments

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pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 02

Number of logged points: 12

Start time and date: 08:02:37 03-Nov

Elapsed time: 03:00:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 1.359 mg/m<sup>3</sup>

Time at maximum: 08:02:39 Nov 03

Max STEL Concentration: 0.245 mg/m<sup>3</sup>

Time at max STEL: 08:17:07 Nov 03

Overall Avg Conc: 0.035 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	3-Nov	08:17:37	0.245
2	3-Nov	08:32:37	0.004
3	3-Nov	08:47:37	0.004
4	3-Nov	09:02:37	0.004
5	3-Nov	09:17:37	0.007
6	3-Nov	09:32:37	0.006
7	3-Nov	09:47:37	0.006
8	3-Nov	10:02:37	0.026
9	3-Nov	10:17:37	0.052
10	3-Nov	10:32:37	0.031
11	3-Nov	10:47:37	0.02
12	3-Nov	11:02:37	0.033

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pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 03

Number of logged points: 16

Start time and date: 11:17:13 03-Nov

Elapsed time: 04:00:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 9.631 mg/m<sup>3</sup>

Time at maximum: 15:25:00 Nov 03

Max STEL Concentration: 0.126 mg/m<sup>3</sup>

Time at max STEL: 15:21:44 Nov 03

Overall Avg Conc: 0.067 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	3-Nov	11:32:13	0.051
2	3-Nov	11:47:13	0.053
3	3-Nov	12:02:13	0.062
4	3-Nov	12:17:13	0.033
5	3-Nov	12:32:13	0.052
6	3-Nov	12:47:13	0.034
7	3-Nov	13:02:13	0.078
8	3-Nov	13:17:13	0.025
9	3-Nov	13:32:13	0.033
10	3-Nov	13:47:13	0.085
11	3-Nov	14:02:13	0.045
12	3-Nov	14:17:13	0.052
13	3-Nov	14:32:13	0.097
14	3-Nov	14:47:13	0.063
15	3-Nov	15:02:13	0.096
16	3-Nov	15:17:13	0.113

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Barbara

401-714-8754

02685

McCoy FIELD

11-4-04

PPM (750/450)	TRUCK #	ON SITE	OFF SITE	TOWNSHIP	LOCATION AREA	RECORDED
< 50	1	645	0715	31-34	SOUTH DB27	
< 50	2	645	0715	31-34	SOUTH DB27	
< 50	3	645	0715	31-34	SOUTH DB27	
< 50	4	645	0715	31-34	NE DB20	
< 50	5	645	0715	31-34	<del>SW</del> DB21	
< 50	6	700	0730	31-34	SE DB21	
< 50	7	715	0745	31-34	SW DB21 / SE DB21	
< 50	8	715	0800	31-34	SW DB21 / SE DB21	
< 50	9	0730	0800	31-34	NE DB15 / NW DB15	
< 50	10	0800	0830	31-34	NE DB15	
< 50	11	0800	0830	31-34	NE DB15	
< 50	12	0915	0935	31-34	S DB23	
< 50	13	0930	0950	31-34	S DB23	
< 50	14	0940	1010	31-34	S DB23	
< 50	15	1115	1140	31-34	N DB 14	
< 50	16	1130	1145	31-34	S DB 14	
< 50	17	1220	1220	31-34	S DB 14	
< 50	18	1220	1220	31-34	N DB 8	
< 50	19	1230	1300	31-34	N DB 8	
< 50	20	1420	1440	31-34	DB 8	
< 50	21	1426	1440	31-34	DB 14	
< 50	22	1426	1445	31-34	DB 14	

⊛

0.404 > 5 minutes

TIME	DWIND A	CWIND B	UWIND C	VARIABLE LOC	WIND DIR
730	0.024	0.021	0.000	.020	N
745	0.012	0.037	0.078	.013 <small>IN SPB</small>	N
800	0.038	0.041	0.011	—	N
815	0.011	0.039	0.021	.023 <small>SE CENTRAL</small>	N
0830	0.017	0.016	0.014	0.019 <small>W CW</small>	N
0845	0.040	0.017	0.010	0.025 <small>W CW</small>	N
<del>0845</del> NO TRUCKS 0915	0.019	0.013	0.029	—	N
0930	0.011	0.023	0.011	0.022 <small>W CW</small>	N <small>WEST MOST WIND</small>
0945	0.034	0.007	0.040	—	N
1000	0.009	0.008	0.020	0.008 <small>W CW</small>	S
1030	0.012	0.030	0.066	0.031 <small>W CW</small>	SE
1100	0.002	0.021	0.024	0.021 <small>W CW</small>	SE
1130	0.008	0.063	0.074	—	S
1145	0.045	0.015	0.012	0.062 <small>W CW</small>	S
1215	0.008	0.013	0.009	0.013 <small>W CW</small>	S
1245	0.015	0.014	0.029	—	S
1300	0.026	0.028	0.065	—	S
1330	0.050	0.083	0.020	—	S
1400	0.014	0.020	0.009	—	S
1430	0.032	0.015	0.015	0.042 <small>W CW</small>	S
1445	0.013	0.023	0.025	0.050 <small>W CW</small>	S

ACTIVITY LOG

730 ~~745~~  
745 EXCAV. SOUTH DETENT. BASIN (SDB) (DB27/21)  
" SDB SE DB 21 (VAR. LOC = w/n SDB)

0850 SDB TOP 3' of SW DB 21

0815 SDB TOP 3' of E N DB 15

0830 SDB NE DB 15

0845 SDB clearing out bottom of NE DB 21 - separate

0900 -  $\rightarrow$  Break

0930

1000 Photo 118 - STOCKPILED MATERIAL RETURNED TO SW DB 21

1015 NO TRUCKS

~~at~~ 1030 SDB - SE DB 21

1100 NO ACTIVITY - (TRUCKS)

1130 SDB 15 wind from south - getting stronger

1245 DB 8

1300 DB 8

1400 EXCAV. "cleaning up" area of DB 8

pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 04

Number of logged points: 31

Start time and date: 08:08:37 04-Nov

Elapsed time: 07:45:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 0.475 mg/m<sup>3</sup>

Time at maximum: 08:22:50 Nov 04

Max STEL Concentration: 0.041 mg/m<sup>3</sup>

Time at max STEL: 08:34:07 Nov 04

Overall Avg Conc: 0.010 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	4-Nov	08:23:37	0.024
2	4-Nov	08:38:37	0.034
3	4-Nov	08:53:37	0.017
4	4-Nov	09:08:37	0.017
5	4-Nov	09:23:37	0.011
6	4-Nov	09:38:37	0.011
7	4-Nov	09:53:37	0.009
8	4-Nov	10:08:37	0.01
9	4-Nov	10:23:37	0.011
10	4-Nov	10:38:37	0.012
11	4-Nov	10:53:37	0.011
12	4-Nov	11:08:37	0.012
13	4-Nov	11:23:37	0.007
14	4-Nov	11:38:37	0.007
15	4-Nov	11:53:37	0.006
16	4-Nov	12:08:37	0.007
17	4-Nov	12:23:37	0.005
18	4-Nov	12:38:37	0.006
19	4-Nov	12:53:37	0.005
20	4-Nov	13:08:37	0.008
21	4-Nov	13:23:37	0.005
22	4-Nov	13:38:37	0.006
23	4-Nov	13:53:37	0.006
24	4-Nov	14:08:37	0.006
25	4-Nov	14:23:37	0.007
26	4-Nov	14:38:37	0.007
27	4-Nov	14:53:37	0.007
28	4-Nov	15:08:37	0.007
29	4-Nov	15:23:37	0.007
30	4-Nov	15:38:37	0.008
31	4-Nov	15:53:37	0.009

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

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## Daily Field Notes and Summary of Dust Monitoring Activities

Date: November 5, 2004      BETA Representative: Christian Alarie

Time of Arrival: 7:00 am      Time of Departure: 4:00 pm

Weather: AM- windy, sunny, wet 40°      PM- windy, 45°  
Wind:      AM- strong from West to East      PM- Strong from North to South

### Contractors on Site

### Description of Activities

<u>WES Construction</u>	<u>Excavation and Construction Activities</u>
<u>Northeast Pile Driving</u>	<u>Driving Pilings</u>
<u>McCoy Fence Company</u>	<u>Put dust barrier up along the perimeter fence line</u>
<u>Miller Engineering</u>	<u>Pile Driving Oversight</u>
<u>Charter Environmental</u>	<u>Truck Coordination</u>

### Visitors to Site

### Purpose of Visit

Steve (Charter Environmental) Meeting with WES Construction  
Alan Hanscom (BETA Group) Meeting with WES Construction

### Summary of Site Activities Performed (by BETA and by Contractors)

WES Construction worked on preparing trucks for live loading and excavated soil in the southern basin (DB 3, 4, 9, 10, 15, 16, 17 & 23). Excavated soils contained concentrations of PCBs greater than and less than 50 parts per million (ppm). WES also worked on surveying the site for piling placement and moving pulverized boulder pieces into the southern basin as backfill.

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McCoy Fence Company worked on installing a dust barrier along the perimeter fence.

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Northeast Pile Driving worked on pile driving.

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A total of fifteen (15) trucks of impacted soil were removed from the site today. Twelve (12) of the trucks removed impacted soils that contained concentrations of PCBs >50 ppm. The remaining three trucks contained impacted soils that contained concentrations of PCBs <50 ppm.

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**Date:** November 5, 2004

**BETA Representative:** Christian Alarie

**Comments:**

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**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<sup>3</sup> to .108 mg/m<sup>3</sup> during the day. The average daily manual dust monitoring reading was 0.003 mg/m<sup>3</sup>.

As of yet the dust monitoring logging data for today has not been completely compiled and is still in the delivery process.

**Comments**

Very Little dust was generated today.

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pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 05

Number of logged points: 25

Start time and date: 08:22:44 05-Nov

Elapsed time: 06:15:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 0.279 mg/m<sup>3</sup>

Time at maximum: 08:23:51 Nov 05

Max STEL Concentration: 0.023 mg/m<sup>3</sup>

Time at max STEL: 08:36:14 Nov 05

Overall Avg Conc: 0.000 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	5-Nov	08:37:44	0.023
2	5-Nov	08:52:44	0.004
3	5-Nov	09:07:44	0.005
4	5-Nov	09:22:44	0.002
5	5-Nov	09:37:44	0.002
6	5-Nov	09:52:44	0.001
7	5-Nov	10:07:44	0.002
8	5-Nov	10:22:44	0.001
9	5-Nov	10:37:44	0.001
10	5-Nov	10:52:44	0.003
11	5-Nov	11:07:44	0.001
12	5-Nov	11:22:44	0
13	5-Nov	11:37:44	0.002
14	5-Nov	11:52:44	0.001
15	5-Nov	12:07:44	0.001
16	5-Nov	12:22:44	0.004
17	5-Nov	12:37:44	0.001
18	5-Nov	12:52:44	0
19	5-Nov	13:07:44	0.001
20	5-Nov	13:22:44	0
21	5-Nov	13:37:44	0
22	5-Nov	13:52:44	0.001
23	5-Nov	14:07:44	0.003
24	5-Nov	14:22:44	0.001
25	5-Nov	14:37:44	0

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pDR-1000 S/N: 04870

User ID: 05037

Tag Number: 06

Number of logged points: 1

Start time and date: 15:32:11 05-Nov

Elapsed time: 00:15:00

Logging period (sec): 900

Calibration Factor (%): 100

Max Display Concentration: 0.586 mg/m<sup>3</sup>

Time at maximum: 16:01:15 Nov 05

Max STEL Concentration: 0.005 mg/m<sup>3</sup>

Time at max STEL: 15:46:41 Nov 05

Overall Avg Conc: 0.007 mg/m<sup>3</sup>

Logged Data:

Point	Date	Time	Avg.(mg/m <sup>3</sup> )
1	5-Nov	15:47:11	0.005

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