



# MOBILE MONITORING REPORT

Date: 11/9/2009  
 Location: WTC Projects  
 (0700, 0730, 0740, 0750,  
 0760, 0780, 1280, 1320,  
 1330)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	West & Vesey	0.147	76.2	10:08
2	Vesey & Washington	0.122	75.7	10:10
3	PATH Entrance	0.072	69.0	10:12
4	Vesey b/w W. Broadway and Church	0.079	69.6	10:14
5	Church & Vesey	0.141	70.0	10:16
6	Church & Fulton	0.136	69.8	10:18
7	Church & Dey	0.140	72.1	10:20
8	Church & Cortlandt	0.123	76.7	10:22
9	Trinity & Liberty	0.093	80.1	10:24
10	Liberty & greenwich	0.126	72.5	10:26
11	Liberty b/w Washington & Greenwich	0.223	74.3	10:28
12	Liberty & washington	0.173	77.3	10:30
13	Liberty b/w West & Washington	0.142	76.4	10:32

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:1-2 mph; 63 degrees; sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site. Elevated dust readings at several of the locations visited were attributed to background dust concentrations that were well above normal daily averages due to regional meteorological conditions.

*Tim Burns*

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: NYCDOT/DDC Street Projects  
Park Pl-Church>Broadway  
(0320)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Park & Broadway	0.142	69.0	09:40
2	Park b/w Broadway & Church	0.124	67.9	09:42
3	Park & Church	0.141	66.0	09:44

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:1-2 mph; 63 degrees; sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: NYCDOT/DDC Street Projects  
Beekman > William  
(0320)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish TSP and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: TSP and Noise Monitoring Results**

Monitoring ID Number	Locations	TSP (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Beekman & Gold	0.032	67.3	14:11
2	Beekman b/t William & Gold	0.079	66.4	14:13
3	Beekman & Nassau	0.084	66.3	14:15
4	Beekman b/w Nassau and Park Row	0.106	65.8	14:17

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: NYCDOT/DDC  
Liberty Street  
Reconstruction (0370)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10 $\mu$ m) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Maiden b/w Gold & William	0.203	71.6	09:06
2	Maiden & William	0.198	71.0	09:08
3	Liberty & William	0.158	69.6	09:10
4	Liberty b/w William & Gold	0.156	69.1	09:12
5	Liberty & Gold	0.165	71.2	09:14
6	Maiden b/w Gold & Pearl	0.144	67.4	09:16
7	Maiden & Pearl	0.147	68.3	09:18
8	Maiden b/w Pearl & Water	0.390	68.5	09:20

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:1-2 mph; 63 degrees; sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site. Elevated dust readings observed at several of the locations visited were attributed to background dust concentrations that were well above normal daily averages due to regional meteorological conditions.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: 189 Broadway - CATEX  
(0590)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10 $\mu$ m) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Dey b/w Broadway & Church	0.136	76.6	13:05
2	Broadway & Dey	0.108	72.5	13:07
3	Broadway b/w Dey & Cortlandt	0.103	73.8	13:09

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: Fulton St. Transit Center (0620)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Fulton b/w Broadway Nassau(Edge of Site)	0.131	75.2	13:12
2	Fulton b/w Broadway Nassau	0.136	72.1	13:14
3	Broadway & Fulton	0.117	74.3	13:16
4	Broadway b/t Fulton & John (Site Entrance)	0.128	73.9	13:18
5	Broadway 2/3 to John (South end of site)	0.163	72.0	13:20
6	Broadway & John	0.177	72.7	13:22
7	John outside Fulton St Subway Station Exit	0.144	75.9	13:24

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site. Elevated dust readings observed at several of the locations visited were attributed to background dust concentrations that were well above normal daily averages due to regional meteorological conditions.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: Beekman Tower (0840)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Beekman & Nassau (10 yards in)	0.096	69.0	14:20
2	Beekman b/t William & Nassau	0.093	65.3	14:22
3	Beekman & William	0.099	70.1	14:24
4	Walkway b/w Spruce & Beekman	0.108	71.3	14:26
5	Spruce & William	0.127	71.6	14:28
6	Spruce b/w William & Nassau	0.133	72.1	14:30
7	Spruce & Nassau (10 yards in)	0.117	72.4	14:32

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: Fiterman Hall (0930)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	West Broadway & Park Place	0.110	71.7	09:50
2	Park Place b/t West Broadway & Greenwich	0.083	69.3	09:52
3	Park Place & Greenwich	0.091	69.1	09:54
4	Greenwich b/t Barclay & Park Place	0.099	70.3	09:56
5	Barclay & Greenwich	0.110	70.8	09:58
6	Barclay b/w Greenwich & West Broadway	0.119	71.2	10:00
7	Barclay & West Broadway	0.133	70.5	10:02
8	West Broadway b/t Barclay & Park Place	0.126	69.0	10:04

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:1-2 mph; 63 degrees; sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: Delury Square (1930)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Fulton & Cliff Street	0.087	67.1	13:42
2	Fulton & Ryders Alley	0.092	66.8	13:44
3	Fulton & Gold	0.085	67.3	13:46
4	Gold & Anne	0.103	67.6	13:48
5	In front of Burger King	0.098	68.1	13:50

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 40126.00

Location: 40 Gold Street  
(5480)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	40 Gold Street	0.114	74.3	13:38
2	Behind 40 Gold Street	0.128	71.8	13:40

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: Fulton St Recons Proj  
(6020)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Fulton b/w Church and Broadway	0.144	82.3	13:26
2	Fulton b/w Nassau and Dutch	0.169	69.2	13:28
3	Fulton and Dutch St	0.137	70.5	13:30
4	Fulton & William	0.141	70.2	13:32
5	Fulton b/w William and Gold St	0.172	68.3	13:34
6	Fulton and Gold	0.148	68.9	13:36

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site. Background dust levels were well above normal daily averages resulting in elevated dust readings at many of the sites visited.

Tim Burns  
BEM Systems, Inc.





# MOBILE MONITORING REPORT

Date: 11/9/2009

Location: 276 Water Street  
(6230)

## Objective:

At the direction of Tom Kunkel, respirable dust (0.1 to 10µm) and noise mobile monitoring was conducted at the above Lower Manhattan construction site as detailed in the table below.

Mobile monitoring was conducted to ensure environmental performance commitments are being achieved and to establish dust and noise monitoring history for every significant construction site in Lower Manhattan.

**Table 1: Dust and Noise Monitoring Results**

Monitoring ID Number	Locations	Respirable Dust (mg/m <sup>3</sup> )	Noise (dB)	Time
1	Frankfort b/w Water and Dover	0.103	68.5	14:00
2	Frankfort and Water	0.098	68.9	14:02
3	Water b/w Frankfort and Peck Slip	0.099	68.1	14:04

Data acquired using a personalDataRAM model pDR-1000AN designed to measure airborne particulate matter and using a Quest Noise Pro DLX designed to measure sound level

## Weather

RH: 55-60%; Wind:S 4-5 mph; 63 degrees; mostly sunny

## Discussion

No anomalous or out-of-compliance dust or noise readings were observed at this site.

Tim Burns  
BEM Systems, Inc.

