

# East Coast Engineering, INC.

Aerovox  
2.3  
248160



SDMS DocID

248160

April 19, 2002

U.S. Environmental Protection Agency  
Region 1  
John F. Kennedy Building  
Boston, MA 02203

Attention: Mr. Frank Ciavattieri

Reference: Aerovox Site Post-Closure Monitoring  
March 27, 28 and 29, 2002

Dear Mr. Ciavattieri:

Enclosed are the results of the water level monitoring and cap inspection conducted at the Aerovox Site by East Coast Engineering, Inc. during the March 28, 2002 full moon period.

The next inspection and round of water level readings are scheduled for the Fall of 2002 full moon period. Please call if you have any questions.

Sincerely,

East Coast Engineering, Inc.

Robert S. Cummings  
Principal

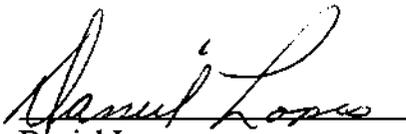
Enclosures

cc: G. Monte, DEP/SERO  
P. Galvani, Ropes and Gray  
D. Lopes, Aerovox

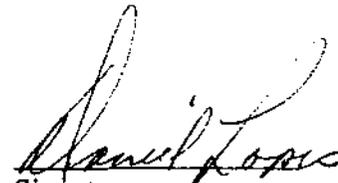
# East Coast Engineering, INC.

**POST CLOSURE MONITORING REPORT  
AEROVOX, INC.  
New Bedford, MA**

I certify under penalty of law that I have personally examined and am familiar with the information in this inspection report and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

  
Daniel Lopes

4/7/02  
Date

  
Signature

Facilities Manager  
Official Title

## LIST OF ATTACHMENTS

Tables 1 through 6  
Cap Inspection Report – Spring 2002

**Table 1**  
**WATER LEVEL READINGS**  
**Aerovox Plant Site**  
**New Bedford, MA**

Tide Stage: Low  
 Time of Tide: 12:27 p.m.  
 March 27, 2002  
 Time of Readings

LOCATION		TOP OF CASING ELEVATION (1), (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs BASELINE	RANGE OF ELEVATION OVER PREVIOUS MONTHS (4)
Well #2	Steel	6.92		6.09	0.83		
	PVC			1.94			
Well #2A	Steel	6.67	2.62	2.79	3.88	1.26	1.51 - 4.0
	PVC			1.94			
MW #3	Steel	6.95		5.88	1.07		
MW #3A	Steel	8.26	1.86	6.11	2.15	0.29	0.78 - 3.31
MW #7	Steel	7.59		8.31	-0.72		
MW #7A	Steel	7.33	2.28	3.75	3.58	1.3	2.38 - 3.88
MW #4	Steel	10.99		10.61	0.38		
MW #4A	Steel	10.78	2.6	6.93	3.85	1.25	1.60 - 3.88

**NOTES:**

- 1) All readings and elevations are in feet and are reference to mean sea level datum.
- 2) Tide elevation is measured in reference to a know elevation of 4.76 feet, at a point on sheet piling near Well No. 2.
- 3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A and 7A are average monthly readings recorded for July 1984 through June 1985.
- 4) Numbers in this column are the range of recorded elevations from July 1984 through March 2001.

**Table 2**  
**WATER LEVEL READINGS**  
**Aerovox Plant Site**  
**New Bedford, MA**

Tide Stage: High  
Time of Tide: 6:54 p.m.  
March 27, 2002  
Time of Readings

LOCATION		TOP OF CASING ELEVATION (1), (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs BASELINE	RANGE OF ELEVATION OVER PREVIOUS MONTHS (4)
Well #2	Steel	6.92		4.51	2.41		
	PVC						
Well #2A	Steel	6.67	2.62	2.95	3.72	1.1	1.51 - 4.0
	PVC						
MW #3	Steel	6.95		4.63	2.32		
MW #3A	Steel	8.26	1.86	6.02	2.24	0.38	0.78 - 3.31
MW #7	Steel	7.59		4.9	2.69		
MW #7A	Steel	7.33	2.28	3.89	3.44	1.16	2.38 - 3.88
MW #4	Steel	10.99		8.55	2.44		
MW #4A	Steel	10.78	2.6	7.11	3.67	1.07	1.60 - 3.88

**NOTES:**

- 1) All readings and elevations are in feet and are reference to mean sea level datum.
- 2) Tide elevation is measured in reference to a know elevation of 4.76 feet, at a point on sheet piling near Well No. 2.
- 3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A and 7A are average monthly readings recorded for July 1984 through June 1985.
- 4) Numbers in this column are the range of recorded elevations from July 1984 through March 2001.

**Table 3**  
**WATER LEVEL READINGS**  
**Aerovox Plant Site**  
**New Bedford, MA**

Tide Stage: High  
Time of Tide: 7:19 a.m.  
March 28, 2002  
Time of Readings

LOCATION		TOP OF CASING ELEVATION (1), (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs BASELINE	RANGE OF ELEVATION OVER PREVIOUS MONTHS (4)
Well #2	Steel	6.92		4.55	2.37		
	PVC						
Well #2A	Steel	6.67	2.62	3.21	3.46	0.84	1.51 - 4.0
	PVC						
MW #3	Steel	6.95		4.68	2.27		
MW #3A	Steel	8.26	1.86	6.01	2.25	0.39	0.78 - 3.31
MW #7	Steel	7.59		4.91	2.68		
MW #7A	Steel	7.33	2.28	3.99	3.34	1.06	2.38 - 3.88
MW #4	Steel	10.99		8.54	2.45		
MW #4A	Steel	10.78	2.6	7.25	3.53	0.93	1.60 - 3.88

**NOTES:**

- 1) All readings and elevations are in feet and are reference to mean sea level datum.
- 2) Tide elevation is measured in reference to a know elevation of 4.76 feet, at a point on sheet piling near Well No. 2.
- 3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A and 7A are average monthly readings recorded for July 1984 through June 1985.
- 4) Numbers in this column are the range of recorded elevations from July 1984 through March 2001.

**Table 4**  
**WATER LEVEL READINGS**  
**Aerovox Plant Site**  
**New Bedford, MA**

Tide Stage: Low  
Time of Tide: 1:10 p.m.  
March 28, 2002  
Time of Readings

LOCATION		TOP OF CASING ELEVATION (1), (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs BASELINE	RANGE OF ELEVATION OVER PREVIOUS MONTHS (4)
Well #2	Steel	6.92		6.11	0.81		
	PVC						
Well #2A	Steel	6.67	2.62	3.21	3.46	0.84	1.51 - 4.0
	PVC						
MW #3	Steel	6.95		5.89	1.06		
MW #3A	Steel	8.26	1.86	6.03	2.23	0.37	0.78 - 3.31
MW #7	Steel	7.59		7.36	0.23		
MW #7A	Steel	7.33	2.28	4.01	3.32	1.04	2.38 - 3.88
MW #4	Steel	10.99		10.64	0.35		
MW #4A	Steel	10.78	2.6	7.27	3.51	0.91	1.60 - 3.88

**NOTES:**

- 1) All readings and elevations are in feet and are reference to mean sea level datum.
- 2) Tide elevation is measured in reference to a know elevation of 4.76 feet, at a point on sheet piling near Well No. 2.
- 3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A and 7A are average monthly readings recorded for July 1984 through June 1985.
- 4) Numbers in this column are the range of recorded elevations from July 1984 through March 2001.

**Table 5**  
**WATER LEVEL READINGS**  
**Aerovox Plant Site**  
**New Bedford, MA**

Tide Stage: High  
Time of Tide: 8:08 a.m.  
March 29, 2002  
Time of Readings

LOCATION		TOP OF CASING ELEVATION (1), (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs BASELINE	RANGE OF ELEVATION OVER PREVIOUS MONTHS (4)
Well #2	Steel	6.92		4.48	2.44		
	PVC						
Well #2A	Steel	6.67	2.62	3.25	3.42	0.8	1.51 - 4.0
	PVC						
MW #3	Steel	6.95		4.63	2.32		
MW #3A	Steel	8.26	1.86	5.99	2.27	0.41	0.78 - 3.31
MW #7	Steel	7.59		4.71	2.88		
MW #7A	Steel	7.33	2.28	4.1	3.23	0.95	2.38 - 3.88
MW #4	Steel	10.99		8.44	2.55		
MW #4A	Steel	10.78	2.6	7.33	3.45	0.85	1.60 - 3.88

**NOTES:**

- 1) All readings and elevations are in feet and are reference to mean sea level datum.
- 2) Tide elevation is measured in reference to a know elevation of 4.76 feet, at a point on sheet piling near Well No. 2.
- 3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A and 7A are average monthly readings recorded for July 1984 through June 1985.
- 4) Numbers in this column are the range of recorded elevations from July 1984 through March 2001.

**Table 6**  
**WATER LEVEL READINGS**  
**Aerovox Plant Site**  
**New Bedford, MA**

Tide Stage: Low  
Time of Tide: 1:52 p.m.  
March 29, 2002  
Time of Readings

LOCATION		TOP OF CASING ELEVATION (1), (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs BASELINE	RANGE OF ELEVATION OVER PREVIOUS MONTHS (4)
Well #2	Steel	6.92		6.07	0.85		
	PVC						
Well #2A	Steel	6.67	2.62	3.31	3.36	0.74	1.51 - 4.0
	PVC						
MW #3	Steel	6.95		5.87	1.08		
MW #3A	Steel	8.26	1.86	6.04	2.22	0.36	0.78 - 3.31
MW #7	Steel	7.59		7.05	0.54		
MW #7A	Steel	7.33	2.28	4.11	3.22	0.94	2.38 - 3.88
MW #4	Steel	10.99		10.41	0.58		
MW #4A	Steel	10.78	2.6	7.36	3.42	0.82	1.60 - 3.88

**NOTES:**

- 1) All readings and elevations are in feet and are reference to mean sea level datum.
- 2) Tide elevation is measured in reference to a know elevation of 4.76 feet, at a point on sheet piling near Well No. 2.
- 3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A and 7A are average monthly readings recorded for July 1984 through June 1985.
- 4) Numbers in this column are the range of recorded elevations from July 1984 through March 2001.

**SHEET PILING/CAP INSPECTION REPORT - SPRING 2002**

**Aerovox Plant Site  
New Bedford, MA**

	Check if any listed defect is observed				
	CRACKS OR GAPS	FLAKING OR SPALLING	FROST HEAVES	DEPRESSION SETTLEMENT	OTHER
<b>A. 8-foot wide strip adjacent to north trough</b>					
1. Surface	X	X			
2. Joints					
<b>B. Directly behind plant</b>					
1. Surface	X	X			
2. Joints					
* along building		X			
* around cooling tower		X			
* around well casings		X			
* along steel pilings	X	X			
* around fence posts					
<b>C. Remaining area on either side of old pump house</b>					
1. Surface					
2. Joints					
* around well casings					
* around fence posts					
* along steel pilings		X			
<b>D. South drainage trough extension (concrete) pipe</b>					
1. Surface		X			
2. Joints					