East Coast Engineering, INC.

SCANNED

November 14, 2002

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

Attention: Mr. Frank Ciavattieri

Reference: **New Bedford Capacitor (formerly Aerovox)** Site Post-Closure Monitoring
October 21, 22 and 23, 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 October 21, 2002 full moon period.

The next inspection and round of water level readings are scheduled for the Spring of 2003 full moon period. Please call if you have any questions.

Sincerely,

East Coast Engineering, Inc.

Christine LeBlanc

Christine R. LeBlanc
Principal

Enclosures

cc: [redacted], DEP/SERO
P. Galvani, Ropes and Gray
R. Elliott, New Bedford Capacitor

P. O. Box 745 156A Front Street Marion, MA 02738-0745 Tel: (508) 748-2460 Fax: (508) 748-2553

East Coast Engineering, INC.

POST CLOSURE MONITORING REPORT
New Bedford Capacitor (formerly 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.

Robert Elliott
President and CEO
Official Title

11/13/02
Date

Signature

LIST OF ATTACHMENTS

Tables 1 through 6
Cap Inspection Report – Fall 2002

P. O. Box 745 156A Front Street Marion, MA 02738-0745 Tel: (508) 748-2460 Fax: (508) 748-2553

Table 1
WATER LEVEL READINGS
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

Tide Stage: High
Time of Tide: 12:10 p.m. p.m.
October 21, 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		5.76	1.16		
	PVC			5.16			
Well #2A	Steel	6.67	2.62	3.68	2.99	0.37	1.51 - 4.0
	PVC			2.84			
MW #3	Steel	6.95		5.65	1.3		
MW #3A	Steel	8.26	1.86	6.12	2.14	0.28	0.78 - 3.31
MW #4	Steel	10.99		10.24	0.75		
MW #4A	Steel	10.78	2.6	7.49	3.29	0.69	1.60 - 3.88
MW #7	Steel	7.59		6.89	0.7		
MW #7A	Steel	7.33	2.28	4.23	3.1	0.82	2.38 - 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 known 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 October 2002.

Table 2
WATER LEVEL READINGS
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

Tide Stage: Low
Time of Tide: 5:52 p.m.
October 21, 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		5.15	1.77		
	PVC			4.54			
Well #2A	Steel	6.67	2.62	3.66	3.01	0.39	1.51 - 4.0
	PVC			2.83			
MW #3	Steel	6.95		5.2	1.75		
MW #3A	Steel	8.26	1.86	6.14	2.12	0.26	0.78 - 3.31
MW #4	Steel	10.99		8.98	2.01		
MW #4A	Steel	10.78	2.6	7.49	3.29	0.69	1.60 - 3.88
MW #7	Steel	7.59		5.41	2.18		
MW #7A	Steel	7.33	2.28	4.22	3.11	0.83	2.38 - 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 known 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 October 2002.

Table 3
WATER LEVEL READINGS
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

Tide Stage: High
Time of Tide: 12:38 a.m.
October 22, 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		5.7	1.22		
	PVC			5.07			
Well #2A	Steel	6.67	2.62	3.76	2.91	0.29	1.51 - 4.0
	PVC			2.92			
MW #3	Steel	6.95		5.58	1.37		
MW #3A	Steel	8.26	1.86	6.18	2.08	0.22	0.78 - 3.31
MW #4	Steel	10.99		10.17	0.82		
MW #4A	Steel	10.78	2.6	7.53	3.25	0.65	1.60 - 3.88
MW #7	Steel	7.59		6.75	0.84		
MW #7A	Steel	7.33	2.28	4.27	3.06	0.78	2.38 - 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 known 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 October 2002.

Table 4
WATER LEVEL READINGS
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

Tide Stage: Low
Time of Tide: 6:28 a.m
October 22, 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		5.46	1.46		
	PVC			4.83			
Well #2A	Steel	6.67	2.62	3.76	2.91	0.29	1.51 - 4.0
	PVC			2.91			
MW #3	Steel	6.95		5.47	1.48		
MW #3A	Steel	8.26	1.86	6.21	2.05	0.19	0.78 - 3.31
MW #4	Steel	10.99		9.35	1.64		
MW #4A	Steel	10.78	2.6	7.52	3.26	0.66	1.60 - 3.88
MW #7	Steel	7.59		5.94	1.65		
MW #7A	Steel	7.33	2.28	4.26	3.07	0.79	2.38 - 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 known 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 October 2002.

Table 5
WATER LEVEL READINGS
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

Tide Stage: High
Time of Tide: 1:13 p.m.
October 22, 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		5.56	1.36		
	PVC			4.93			
Well #2A	Steel	6.67	2.62	3.41	3.26	0.64	1.51 - 4.0
	PVC			2.57			
MW #3	Steel	6.95		5.48	1.47		
MW #3A	Steel	8.26	1.86	6.21	2.05	0.19	0.78 - 3.31
MW #4	Steel	10.99		9.93	1.06		
MW #4A	Steel	10.78	2.6	7.57	3.21	0.61	1.60 - 3.88
MW #7	Steel	7.59		6.51	1.08		
MW #7A	Steel	7.33	2.28	4.24	3.09	0.81	2.38 - 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 known 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 October 2002.

Table 6
WATER LEVEL READINGS
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

Tide Stage: Low
Time of Tide: 7:04 a.m.
October 23, 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		5.48	1.44		
	PVC			4.85			
Well #2A	Steel	6.67	2.62	3.79	2.88	0.26	1.51 - 4.0
	PVC			2.96			
MW #3	Steel	6.95		5.48	1.47		
MW #3A	Steel	8.26	1.86	6.22	2.04	0.18	0.78 - 3.31
MW #4	Steel	10.99		9.39	1.6		
MW #4A	Steel	10.78	2.6	7.56	3.22	0.62	1.60 - 3.88
MW #7	Steel	7.59		5.88	1.71		
MW #7A	Steel	7.33	2.28	4.29	3.04	0.76	2.38 - 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 known 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 October 2002.

Table 7
SHEET PILING/CAP INSPECTION REPORT - FALL 2002
New Bedford Capacitor, Inc. (formerly Aerovox Plant Site)
New Bedford, MA

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