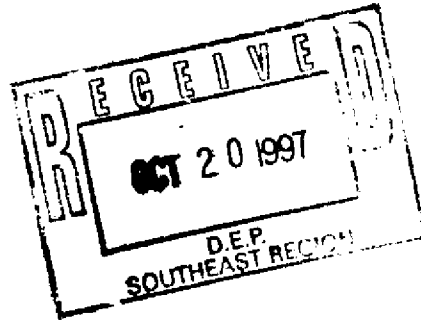


4-0601



740 Belleville Ave.  
New Bedford SCANNED

01-0827-05-0051-003

October 16, 1997

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

Attention: Mr. Frank Ciavattieri

Reference: **Aerovox Site Post-Closure Monitoring,  
September 15, 16 and 17, 1997**

Dear Mr. Ciavattieri:

Enclosed are the results of the water level monitoring and cap inspection conducted at the Aerovox site by SAIC Engineering, Inc. during the September 1997 full moon period.

The next inspection and round of water level readings are scheduled for the March 1998 full moon period. Please call if you have any questions.

Sincerely,

SAIC ENGINEERING, INC.

Allen F. Davis, P.E.  
Project Manager

Enclosures

cc: G. Monte, DEP/SERO  
P. Galvani, Ropes & Gray  
P. Szwaja, Aerovox



**SAIC Engineering, Inc.**

**A Subsidiary of SAIC Corporation**

**AEROVOX, INC.**  
*An Employee-Owned Company*

**NEW BEDFORD, MASSACHUSETTS**

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.

Peter Szwaja  
Name

Oct. 16, 97  
Date

Peter Szwaja  
Signature

Environmental Control Engineer  
Official Title

**LIST OF ATTACHMENTS**

- Tables 1A and 1B      Dated: 9/15/97
- Tables 2A and 2B      Dated: 9/16/97
- Tables 3A and 3B      Dated: 9/17/97
- Cap Inspection Report - Fall 1997

**TABLE 1A**

**WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High  
Time of Tide: 0705  
Date: September 15, 1997  
Time of Readings: 0750 - 0816

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 156 MONTHS (4)
Tide Gauge	4.76		No reading			
Well No. 2	6.92		3.98	2.94		
Well No. 2A	6.67	2.62	(5)	(5)	(5)	1.51 - 4.00
Well No. 3	6.95		4.92	2.03		
Well No. 3A	8.26	1.86	6.31	1.95	0.09	0.78 - 3.31
Well No. 4	10.99		8.77	2.22		
Well No. 4A	10.78	2.28	8.59	2.19	-0.09	1.60 - 3.88
Well No. 7	7.59		5.27	2.32		
Well No. 7A	7.33	2.60	4.63	2.70	0.10	2.38 - 3.40

**NOTES:**

Weather: 60 degrees F, Fog  
Readings by: Tony DiLuca  
Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft., 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 September, 1997.
- (5) Well requires cleaning to provide accurate level readings.

**TABLE 1B**

**WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low  
Time of Tide: 1250  
Date: September 15, 1997  
Time of Readings: 1236 - 1255

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 158 MONTHS (4)
Tide Gauge	4.76		Dry	-		
Well No. 2	6.92		5.01	1.91		
Well No. 2A	6.67	2.62	(5)	(5)	(5)	1.51 - 4.00
Well No. 3	6.96		5.10	1.85		
Well No. 3A	8.26	1.86	6.31	1.95	0.09	0.78 - 3.31
Well No. 4	10.99		9.59	1.40		
Well No. 4A	10.78	2.28	8.55	2.23	-0.05	1.60 - 3.88
Well No. 7	7.59		7.43	0.16		
Well No. 7A	7.33	2.60	4.54	2.79	0.19	2.38 - 3.40

**NOTES:**

Weather: 65 degrees F. Clear  
Readings by: Tony DiLuca  
Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft. 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 September, 1997.
- (5) Well requires cleaning to provide accurate level readings.

**TABLE 2A**

**WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High  
 Time of Tide: 0755  
 Date: September 16, 1987  
 Time of Readings: 0810 - 0826

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 158 MONTHS (4)
Tide Gauge	4.76		1.23	3.53		
Well No. 2	6.92		3.81	3.11		
Well No. 2A	6.67	2.62	(5)	(5)	(5)	1.51 - 4.00
Well No. 3	6.96		4.72	2.23		
Well No. 3A	8.26	1.86	6.39	1.87	0.01	0.78 - 3.31
Well No. 4	10.99		8.62	2.37		
Well No. 4A	10.78	2.28	8.61	2.17	-0.11	1.60 - 3.88
Well No. 7	7.59		4.96	2.63		
Well No. 7A	7.33	2.60	4.65	2.68	0.08	2.38 - 3.40

**NOTES:**

Weather: 60 degrees F, Cloudy  
 Readings by: Tony DiLuca  
 Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft. 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 1964 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1964 through September, 1987.
- (5) Well requires cleaning to provide accurate level readings.

TABLE 2B

WATER LEVEL READINGS

AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS

Tide Stage: Low  
Time of Tide: 1345  
Date: September 16, 1997  
Time of Readings: 1336 - 1350

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 158 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.33	1.59		
Well No. 2A	6.67	2.62	(5)	(6)	(5)	1.51 - 4.00
Well No. 3	6.96		5.33	1.62		
Well No. 3A	8.26	1.86	6.22	2.04	0.18	0.78 - 3.31
Well No. 4	10.99		10.87	0.12		
Well No. 4A	10.78	2.28	8.61	2.17	-0.11	1.60 - 3.88
Well No. 7	7.59		7.60	-0.01		
Well No. 7A	7.33	2.60	4.63	2.70	0.10	2.38 - 3.40

NOTES:

Weather: 70 degrees F, Clear  
Readings by: Tony DiLuca  
Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft. 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 September, 1997.
- (5) Well requires cleaning to provide accurate level readings.

**TABLE 3A**

**WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High  
 Time of Tide: 0845  
 Date: September 17, 1987  
 Time of Readings: 0845 - 0905

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 158 MONTHS (4)
Tide Gauge	4.76		0.84	3.92		
Well No. 2	6.92		3.63	3.29		
Well No. 2A	6.67	2.62	(5)	(5)	(5)	1.51 - 4.00
Well No. 3	6.95		4.80	2.15		
Well No. 3A	8.26	1.86	6.33	1.93	0.07	0.78 - 3.31
Well No. 4	10.99		8.47	2.52		
Well No. 4A	10.78	2.28	8.63	2.15	-0.13	1.60 - 3.88
Well No. 7	7.59		4.75	2.84		
Well No. 7A	7.33	2.60	4.66	2.67	0.07	2.38 - 3.40

**NOTES:**

Weather: 62 degrees F, Cloudy  
 Readings by: Tony DiLuca  
 Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, 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 received for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1987.
- (5) Well requires cleaning to provide accurate level readings.

**TABLE 3B**

**WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low  
 Time of Tide: 1436  
 Date: September 17, 1997  
 Time of Readings: 1430 - 1445

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION VS. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 158 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.22	1.70		
Well No. 2A	6.67	2.62	(5)	(5)	(5)	1.51 - 4.00
Well No. 3	6.95		5.30	1.65		
Well No. 3A	8.26	1.86	6.23	1.98	0.12	0.78 - 3.31
Well No. 4	10.99		10.20	0.79		
Well No. 4A	10.78	2.28	8.57	2.21	-0.07	1.60 - 3.88
Well No. 7	7.59		7.45	0.14		
Well No. 7A	7.33	2.60	4.58	2.75	0.15	2.38 - 3.40

**NOTES:**

Weather: 75 +/- degrees F, Clear  
 Readings by: Tony DiLuca  
 Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

**FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft., 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 September, 1997.
- (5) Well requires cleaning to provide accurate level readings.



**SHEET PILING/CAP INSPECTION REPORT - SEPTEMBER 1997**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

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

Inspection by : Allen F. Davis 9/15/97  
Affiliation : SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts 02346

Note No. 1: Cracks noted in Spring 1997 report have been sealed