



**SAIC Engineering, Inc.**

**A Subsidiary of Science Applications International Corporation**

*An Employee-Owned Company*

April 14, 2000

01-0801-05-0051-202

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

Aerovox  
8.4

Attention: Mr. Frank Ciavattieri

**Reference: Aerovox Site Post-Closure Monitoring,  
March 18, 19 and 20, 2000**

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 March 19, 2000 full moon period.

The next inspection and round of water level readings are scheduled for the September 2000 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

**Document produced to AVX in  
response to July 31, 2006 inquiry**

**POST-CLOSURE MONITORING REPORT  
AEROVOX, INC.  
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

April 14 00  
Date

Peter Szwaja  
Signature

Manager of Environmental Health and Safety  
Official Title

**LIST OF ATTACHMENTS**

Tables 1A and 1B      Dated: 3/18/00

Tables 2A and 2B      Dated: 3/19/00

Tables 3A and 3B      Dated: 3/20/00

Cap Inspection Report - Spring 2000

# TABLE 1A

## WATER LEVEL READINGS

### AEROVOX PLANT SITE NEW BEDFORD, MASSACHUSETTS

Tide Stage: Low  
Time of Tide: 1232  
March 18, 2000  
Time of Readings: 1215 -1240

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 188 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.97	0.95		
Well No. 2A	6.67	2.62	3.26	3.41	0.79	1.51 - 4.00
Well No. 3	6.95		5.72	1.23		
Well No. 3A	8.26	1.86	5.97	2.29	0.43	0.78 - 3.31
Well No. 4	10.99		10.60	0.39		
Well No.4A	10.78	2.28	7.41	3.37	1.09	1.60 - 3.88
Well No. 7	7.59		7.33	0.26		
Well No. 7A	7.33	2.60	4.19	3.14	0.54	2.38 - 3.40

#### NOTES:

Readings by: David Minese  
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 elevaton 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 March 2000.

**TABLE 1B****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High

Time of Tide: 1834

March 18, 2000

Time of Readings: 1819 - 1838

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 188 MONTHS (4)
Tide Gauge	4.76		1.85	2.91		
Well No. 2	6.92		4.56	2.36		
Well No. 2A	6.67	2.62	3.26	3.41	0.79	1.51 - 4.00
Well No. 3	6.95		4.69	2.26		
Well No. 3A	8.26	1.86	5.90	2.36	0.50	0.78 - 3.31
Well No. 4	10.99		8.40	2.59		
Well No.4A	10.78	2.28	7.47	3.31	1.03	1.60 - 3.88
Well No. 7	7.59		4.82	2.77		
Well No. 7A	7.33	2.60	4.21	3.12	0.52	2.38 - 3.40

## NOTES:

Readings by: David Minese

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 March 2000.

## TABLE 2A

### WATER LEVEL READINGS

#### AEROVOX PLANT SITE NEW BEDFORD, MASSACHUSETTS

Tide Stage: High

Time of Tide: 0700

March 19, 2000

Time of Readings: 0650 -0714

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 188 MONTHS (4)
Tide Gauge	4.76		1.50	3.26		
Well No. 2	6.92		4.32	2.60		
Well No. 2A	6.67	2.62	3.34	3.33	0.71	1.51 - 4.00
Well No. 3	6.95		4.54	2.41		
Well No. 3A	8.26	1.86	5.90	2.36	0.50	0.78 - 3.31
Well No. 4	10.99		8.42	2.57		
Well No.4A	10.78	2.28	7.48	3.30	1.02	1.60 - 3.88
Well No. 7	7.59		4.75	2.84		
Well No. 7A	7.33	2.60	4.24	3.09	0.49	2.38 - 3.40

#### NOTES:

Readings by: David Minese

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 March 2000.

**TABLE 2B****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low

Time of Tide: 1310

March 19, 2000

Time of Readings: 1250 - 1311

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 188 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.74	1.18		
Well No. 2A	6.67	2.62	3.33	3.34	0.72	1.51 - 4.00
Well No. 3	6.95		5.63	1.32		
Well No. 3A	8.26	1.86	5.92	2.34	0.48	0.78 - 3.31
Well No. 4	10.99		10.43	0.56		
Well No.4A	10.78	2.28	7.50	3.28	1.00	1.60 - 3.88
Well No. 7	7.59		7.12	0.47		
Well No. 7A	7.33	2.60	4.27	3.06	0.46	2.38 - 3.40

**NOTES:**

Readings by: David Minese

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 March 2000.

**TABLE 3A****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High

Time of Tide: 0745

March 20, 2000

Time of Readings: 0730 - 0750

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 188 MONTHS (4)
Tide Gauge	4.76		1.32	3.44		
Well No. 2	6.92		4.39	2.53		
Well No. 2A	6.67	2.62	3.36	3.31	0.69	1.51 - 4.00
Well No. 3	6.95		4.52	2.43		
Well No. 3A	8.26	1.86	5.86	2.40	0.54	0.78 - 3.31
Well No. 4	10.99		8.16	2.83		
Well No.4A	10.78	2.28	7.54	3.24	0.96	1.60 - 3.88
Well No. 7	7.59		4.52	3.07		
Well No. 7A	7.33	2.60	4.27	3.06	0.46	2.38 - 3.40

## NOTES:

Readings by: David Minese

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 elevaton 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 March 2000.

**TABLE 3B****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low

Time of Tide: 1344

March 20, 2000

Time of Readings: 1335 - 1355

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 188 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.51	1.41		
Well No. 2A	6.67	2.62	3.38	3.29	0.67	1.51 - 4.00
Well No. 3	6.95		5.58	1.37		
Well No. 3A	8.26	1.86	5.76	2.50	0.64	0.78 - 3.31
Well No. 4	10.99		10.40	0.59		
Well No. 4A	10.78	2.28	7.57	3.21	0.93	1.60 - 3.88
Well No. 7	7.59		7.08	0.51		
Well No. 7A	7.33	2.60	4.29	3.04	0.44	2.38 - 3.40

**NOTES:**

Readings by: David Minese

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 March 2000.

# SHEET PILING/CAP INSPECTION REPORT - SPRING 2000

AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS

		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					
	2. Joints					
B.	Directly behind plant					
	1. Surface					
	2. Joints					
	* along building					
	* around cooling tower	x				See Note No. 1
	* around well casings	x				See Note No.2
	* along steel pilings					
	* 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					
D.	South drainage trough extension (concrete pipe)					
	1. Surface					
	2. Joints					

Inspection by : David Minese  
Affiliation : SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts 02346

Note No. 1: Minor cracks between building and chilling units  
Crack south of northeast corner of fenced area should be resealed

Note No. 2: Minor cracking near wells 2 and 2A and, in general, any new cracks should be resealed