



Produced For The 12/96 AVX FOIA Request New Bedford Harbor Superfund Site

April 16, 1996

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

Superfund Project Center
Aerovox
8.4

ATTENTION: Mr. Frank Ciavattieri

REFERENCE: Aerovox Site Post-Closure Monitoring,
March 4,5,6, 1996

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 1996 full moon period. We are also enclosing corrected copies of the water level readings taken on March 17, 1995, Tables 3A and 3B. The low and high tide readings were switched in some of the entries in these tables.

The next inspection and round of water level readings are scheduled for the September 1996 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

**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 3, 96
Date


Signature

Environmental Control Engineer
Official Title

LIST OF ATTACHMENTS

Tables 1A and 1B Dated: 3/4/96

Tables 2A and 2B Dated: 3/5/96

Tables 3A and 3B Dated: 3/6/96

Cap Inspection Report - Spring 1996

TABLE 1A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0705
Date: March 4, 1996
Time of Readings: 0643 - 0742**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 140 MONTHS (4)
Tide Gauge	4.76		Dry (5)			
Well No. 2	6.92		5.40	1.52		
Well No. 2A	6.67	2.62	3.40	3.27	0.65	1.51 - 4.00
Well No. 3	6.95		5.40	1.55		
Well No. 3A	8.26	1.86	6.29	1.97	0.11	0.78 - 3.31
Well No. 4	10.99		9.47	1.52		
Well No. 4A	10.78	2.28	7.84	2.94	0.66	1.60 - 3.88
Well No. 7	7.59		6.02	1.57		
Well No. 7A	7.33	2.60	4.56	2.77	0.17	2.38 - 3.40

NOTES:

**Weather: 20 degrees F. Windy, Overcast.
Readings by: David J. 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, 1996.
- (5) Tide gauge reading reported as "dry" is considered anomalous.

TABLE 1B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
Time of Tide: 1240
Date: March 4, 1996
Time of Readings: 1220 - 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 140 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.45	1.47		
Well No. 2A	6.67	2.62	3.39	3.28	0.66	1.51 - 4.00
Well No. 3	6.95		5.45	1.50		
Well No. 3A	8.26	1.86	6.30	1.96	0.10	0.78 - 3.31
Well No. 4	10.99		10.88	0.11		
Well No. 4A	10.78	2.28	7.84	2.94	0.66	1.60 - 3.88
Well No. 7	7.59		7.57	0.02		
Well No. 7A	7.33	2.60	4.55	2.78	0.18	2.38 - 3.40

NOTES:

Weather: 20 degrees F, Windy, Overcast.
Readings by: David J. 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, 1996.

TABLE 2A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0745
Date: March 5, 1996
Time of Readings: 0725 - 0812**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 140 MONTHS (4)
Tide Gauge	4.76		3.34	1.42		
Well No. 2	6.92		5.22	1.70		
Well No. 2A	6.67	2.62	3.47	3.20	0.58	1.51 - 4.00
Well No. 3	6.95		5.25	1.70		
Well No. 3A	8.26	1.86	6.28	1.98	0.12	0.78 - 3.31
Well No. 4	10.99		9.18	1.81		
Well No. 4A	10.78	2.28	7.87	2.91	0.63	1.60 - 3.88
Well No. 7	7.59		5.70	1.89		
Well No. 7A	7.33	2.60	4.56	2.77	0.17	2.38 - 3.40

NOTES:

**Weather: 25 to 30 degrees F, Snow, Overcast
Readings by: David J. 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, 1996.

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

Tide Stage: Low

Time of Tide: 1310

Date: March 5, 1996

Time of Readings: 1250 - 1335

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 140 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.45	1.47		
Well No. 2A	6.67	2.62	3.39	3.28	0.66	1.51 - 4.00
Well No. 3	6.95		5.50	1.45		
Well No. 3A	8.26	1.86	6.24	2.02	0.16	0.78 - 3.31
Well No. 4	10.99		10.45	0.54		
Well No.4A	10.78	2.28	7.85	2.93	0.65	1.60 - 3.88
Well No. 7	7.59		7.03	0.56		
Well No. 7A	7.33	2.60	4.54	2.79	0.19	2.38 - 3.40

NOTES:

Weather: 25 to 30 degrees F, Snow, Overcast

Readings by: David J. 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, 1996.

TABLE 3A**WATER LEVEL READINGS****AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS****Tide Stage: High
Time of Tide: 0825
Date: March 6, 1996
Time of Readings: 0805 - 0840**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 140 MONTHS (4)
Tide Gauge	4.76		2.65	2.11		
Well No. 2	6.92		4.84	2.08		
Well No. 2A	6.67	2.62	2.96	3.71	1.09	1.51 - 4.00
Well No. 3	6.95		4.93	2.02		
Well No. 3A	8.26	1.86	6.17	2.09	0.23	0.78 - 3.31
Well No. 4	10.99		8.75	2.24		
Well No.4A	10.78	2.28	6.97	3.81	1.53	1.60 - 3.88
Well No. 7	7.59		5.26	2.33		
Well No. 7A	7.33	2.60	4.48	2.85	0.25	2.38 - 3.40

NOTES:**Weather: 35 to 40 degrees F, Heavy Rain.
Readings by: David J. 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, 1996.

TABLE 3B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low
Time of Tide: 1343
Date: March 6, 1996
Time of Readings: 1323 - 1400**

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 140 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.45	1.47		
Well No. 2A	6.67	2.62	2.92	3.75	1.13	1.51 - 4.00
Well No. 3	6.95		5.59	1.36		
Well No. 3A	8.26	1.86	6.15	2.11	0.25	0.78 - 3.31
Well No. 4	10.99		10.52	0.47		
Well No. 4A	10.78	2.28	6.91	3.87	1.59	1.60 - 3.88
Well No. 7	7.59		7.25	0.34		
Well No. 7A	7.33	2.60	4.46	2.87	0.27	2.38 - 3.40

NOTES:

**Weather: 35 to 40 degrees F, Heavy Rain.
Readings by: David J. 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, 1996.

SHEET PILING/CAP INSPECTION REPORT - MARCH 1996

**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	
A.	8-foot wide strip adjacent to north trough						
	1. Surface	x					See Note No. 1
	2. Joints						
B.	Directly behind plant						
	1. Surface	x					See Note No.2
	2. Joints						
	* along building						
	* around cooling tower						
	* around well casings						
	* 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	x					See Note No. 3

Inspection by : David J. Minese 3/6/96; Allen F. Davis 4/3/96
Affiliation : SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts 02346

Note No. 1: Minor cracking near northeast corner of building should be resealed.

Note No. 2: Crack extending easterly under the fence should be resealed.
North/South crack east of the fence should be resealed.

Note No. 3: Joints between south concrete trough and asphalt paving, south of fence, should be sealed.
Easternmost joint of concrete pipe section of the south trough should be sealed.

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0753
Date: Mar. 17, 1995
Time of Readings: 0740 - 0807**

Corrected 3/26/95 (5)

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)
Tide Gauge	4.76		2.10	2.66		
Well No. 2	6.92		4.77	2.15		
Well No. 2A	6.67	2.62	3.47	3.20	0.58	1.51 - 4.00
Well No. 3	6.95		4.97	1.98		
Well No. 3A	8.26	1.86	6.35	1.91	0.05	0.78 - 3.31
Well No. 4	10.99		8.92	2.07		
Well No. 4A	10.78	2.28	7.90	2.88	0.60	1.60 - 3.88
Well No. 7	7.59		5.35	2.24		
Well No. 7A	7.33	2.60	4.66	2.67	0.07	2.38 - 3.40

NOTES:

**Weather: 40 degrees F, Rain
Readings by: Cortland Ridings
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, 1995.**
- (5) **Current readings and associated current elevation data and change in elevation vs. baseline data reported earlier incorrectly, corrected 3/25/96**

TABLE 3B

WATER LEVEL READINGS

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low Corrected 3/26/95 (5)
 Time of Tide: 1320
 Date: Mar. 17, 1995
 Time of Readings: 1310 - 1337

LOCATION	TOP OF CASING ELEVATION (1)(2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.35	1.57		
Well No. 2A	6.67	2.62	3.48	3.19	0.57	1.51 - 4.00
Well No. 3	6.95		5.45	1.50		
Well No. 3A	8.26	1.86	6.36	1.90	0.04	0.78 - 3.31
Well No. 4	10.99		10.64	0.35		
Well No. 4A	10.78	2.28	7.91	2.87	0.59	1.60 - 3.88
Well No. 7	7.59		7.37	0.22		
Well No. 7A	7.33	2.60	4.65	2.68	0.08	2.38 - 3.40

NOTES:

Weather: 40 degrees F, Cldy with Rain
 Readings by: Cortland Ridings
 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, 1995.
- (5) Current readings and associated current elevation data and change in elevation vs. baseline data reported earlier incorrectly, corrected 3/25/96