



**SAIC Engineering, Inc.**

*A Subsidiary of Science Applications International Corporation*

*An Employee-Owned Company*

*J. Dave Decker*



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March 24, 1995

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

ATTENTION: Mr. Frank Ciavattieri

REFERENCE: Aerovox Site Post-Closure Monitoring,  
March 15, 16, 17, 1995

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 1995 full moon period. The next inspection and round of water level readings are scheduled for the September 1995 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

New Bedford Harbor's Center  
Aerovox  
8.4

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

**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 submitted in this inspection report and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the 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

March 24, 95  
Date

Peter Szwaja  
Signature

Environmental Control Engineer  
Official Title

**LIST OF ATTACHMENTS**

- Tables 1A and 1B Dated: 3/15/95
- Tables 2A and 2B Dated: 3/16/95
- Tables 3A and 3B Dated: 3/17/95
- Cap Inspection Report

**TABLE 1A****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS****Tide Stage: High  
Time of Tide: 0625  
Date: Mar. 15, 1995  
Time of Readings: 0605 - 0635**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASELINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)</b>
Tide Gauge	4.76		2.70	2.06		
Well No. 2	6.92		5.10	1.82		
Well No. 2A	6.67	2.62	3.72	2.95	0.33	1.51 - 4.00
Well No. 3	6.95		5.18	1.77		
Well No. 3A	8.26	1.86	5.55	2.71	0.85	0.78 - 3.31
Well No. 4	10.99		9.10	1.89		
Well No. 4A	10.78	2.28	7.90	2.88	0.60	1.60 - 3.88
Well No. 7	7.59		5.56	2.03		
Well No. 7A	7.33	2.60	4.66	2.67	0.07	2.38 - 3.40

**NOTES:**

**Weather: 50 degrees F, Cldy.  
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 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, 1995.

**TABLE 1B****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low  
Time of Tide: 1157  
Date: Mar. 15, 1995  
Time of Readings: 1140 - 1206**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASELINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)</b>
<b>Tide Gauge</b>	<b>4.76</b>		<b>Dry</b>	<b>--</b>		
<b>Well No. 2</b>	<b>6.92</b>		<b>5.22</b>	<b>1.70</b>		
<b>Well No. 2A</b>	<b>6.67</b>	<b>2.62</b>	<b>3.74</b>	<b>2.93</b>	<b>0.31</b>	<b>1.51 - 4.00</b>
<b>Well No. 3</b>	<b>6.95</b>		<b>5.84</b>	<b>1.11</b>		
<b>Well No. 3A</b>	<b>8.26</b>	<b>1.86</b>	<b>6.41</b>	<b>1.85</b>	<b>-0.01</b>	<b>0.78 - 3.31</b>
<b>Well No. 4</b>	<b>10.99</b>		<b>10.60</b>	<b>0.39</b>		
<b>Well No. 4A</b>	<b>10.78</b>	<b>2.28</b>	<b>7.91</b>	<b>2.87</b>	<b>0.59</b>	<b>1.60 - 3.88</b>
<b>Well No. 7</b>	<b>7.59</b>		<b>7.34</b>	<b>0.25</b>		
<b>Well No. 7A</b>	<b>7.33</b>	<b>2.60</b>	<b>4.66</b>	<b>2.67</b>	<b>0.07</b>	<b>2.38 - 3.40</b>

**NOTES:**

**Weather: 50 degrees F, Cldy.  
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 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, 1995.**

**TABLE 2A****WATER LEVEL READINGS**

**AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High  
Time of Tide: 0709  
Date: Mar. 16, 1995  
Time of Readings: 0650 - 0717**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASELINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)</b>
Tide Gauge	4.76		2.00	2.76		
Well No. 2	6.92		4.92	2.00		
Well No. 2A	6.67	2.62	3.74	2.93	0.31	1.51 - 4.00
Well No. 3	6.95		5.00	1.95		
Well No. 3A	8.26	1.86	6.33	1.93	0.07	0.78 - 3.31
Well No. 4	10.99		8.86	2.13		
Well No. 4A	10.78	2.28	7.90	2.88	0.60	1.60 - 3.88
Well No. 7	7.59		5.27	2.32		
Well No. 7A	7.33	2.60	4.66	2.67	0.07	2.38 - 3.40

**NOTES:**

**Weather: 50 degrees F, Cldy.  
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.

**TABLE 2B****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS****Tide Stage: Low****Time of Tide: 1238****Date: Mar. 16, 1995****Time of Readings: 1220 - 1248**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASELINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)</b>
<b>Tide Gauge</b>	4.76		<b>Dry</b>	--		
<b>Well No. 2</b>	6.92		5.41	1.51		
<b>Well No. 2A</b>	6.67	2.62	3.76	2.91	0.29	1.51 - 4.00
<b>Well No. 3</b>	6.95		5.85	1.10		
<b>Well No. 3A</b>	8.26	1.86	6.40	1.86	-0.00	0.78 - 3.31
<b>Well No. 4</b>	10.99		10.67	0.32		
<b>Well No.4A</b>	10.78	2.28	7.94	2.84	0.56	1.60 - 3.88
<b>Well No. 7</b>	7.59		7.39	0.20		
<b>Well No. 7A</b>	7.33	2.60	4.66	2.67	0.07	2.38 - 3.40

**NOTES:****Weather: 50 degrees F, Cldy****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 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, 1995.

**TABLE 3A****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS****Tide Stage: High  
Time of Tide: 0753  
Date: Mar. 17, 1995  
Time of Readings: 0740 - 0807**

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

**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.

**TABLE 3B****WATER LEVEL READINGS****AEROVOX PLANT SITE  
NEW BEDFORD, MASSACHUSETTS****Tide Stage: Low  
Time of Tide: 1320  
Date: Mar. 17, 1995  
Time of Readings: 1304 - 1327**

<b>LOCATION</b>	<b>TOP OF CASING ELEVATION (1) (2)</b>	<b>BASELINE ELEVATION (3)</b>	<b>CURRENT READING</b>	<b>CURRENT ELEVATION</b>	<b>CHANGE IN ELEVATION vs. BASELINE</b>	<b>RANGE OF ELEVATION OVER PREVIOUS 128 MONTHS (4)</b>
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		4.85	2.07		
Well No. 2A	6.67	2.62	3.51	3.16	0.54	1.51 - 4.00
Well No. 3	6.95		5.63	1.32		
Well No. 3A	8.26	1.86	6.27	1.99	0.13	0.78 - 3.31
Well No. 4	10.99		10.18	0.81		
Well No. 4A	10.78	2.28	8.37	2.41	0.13	1.60 - 3.88
Well No. 7	7.59		6.89	0.70		
Well No. 7A	7.33	2.60	4.57	2.76	0.16	2.38 - 3.40

**NOTES:**

Weather: 40 degrees F, Cldy  
 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.

**SHEET PILING/CAP INSPECTION REPORT - MARCH 1995**

**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. 8-foot wide strip adjacent to north trough</b>						
<b>1. Surface</b>						
<b>2. Joints</b>						
<b>B. Directly behind plant</b>						
<b>1. Surface</b>						
<b>2. Joints</b>						
* along building						
* around cooling tower						
* around well casings						
* along steel pilings						
* around fence posts						
<b>C. Remaining area on either side of old pump house</b>						
<b>1. Surface</b>						
<b>2. Joints</b>						
* around well casings						
* around fence posts						
* along steel pilings	x					See Note No. 1
<b>D. South drainage trough extension (concrete pipe)</b>						
<b>1. Surface</b>						
<b>2. Joints</b>	x					See Note No. 2

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

Note No. 1: Ocean side of fence at sheet pilings; some minor gaps in pavement perpendicular to sheet piling.

Note No. 2: Joints between concrete trough and asphalt paving, south of fence and directly behind plant, should be resealed.