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SAIC Engineering, Inc.

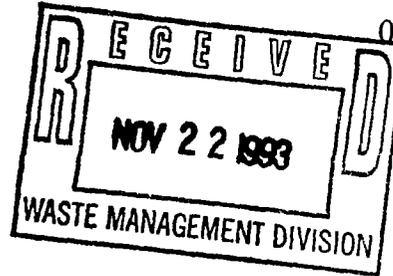
*A Subsidiary of Science Applications International Corporation
An Employee-Owned Company*

Handwritten notes:
G. Galvani
P. Szwaja
G2

November 18, 1993

801.931112.023

01-0801-05-0051-002



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

Attention: Mr. Frank Ciavattieri

Reference: Aerovox Site Post-Closure Monitoring, September 29 and 30, October 1, 1993

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 - October 1993 full moon period. The next inspection and round of water level readings are scheduled for the March 1994 full moon period. Please call if you have any questions.

Sincerely,

SAIC ENGINEERING, INC.

Allen F. Davis, P.E.
Project Manager

Handwritten notes:
Superfund Records Center
Aerovox
8.4

AFD/sls

Enclosures

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

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

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

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

Tide Stage: High

Time of Tide: 0722

Date: September 29, 1993

Time of Readings: 0710 - 0747

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 110 MONTHS (4)
Tide Gauge	4.76		2.41	2.35		
Well No. 2	6.92		4.91	2.01		
Well No. 2A	6.67	2.62	3.83	2.84	0.22	1.51 - 4.00
Well No. 3	6.95		5.00	1.95		
Well No. 3A	8.26	1.86	6.35	1.91	0.05	0.78 - 3.31
Well No. 4	10.99		5.95	5.04		
Well No. 4A	10.78	2.28	8.25	2.53	0.25	1.60 - 3.88
Well No. 7	7.59		5.45	2.14		
Well No. 7A	7.33	2.60	4.65	2.68	0.08	2.38 - 3.40

NOTES:

Weather: 60 degrees F, Clear

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

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, 1993.

TABLE 1B

WATER LEVEL READINGS

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
 Time of Tide: 1337
 Date: September 29, 1993
 Time of Readings: 1305 - 1318

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 110 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.70	1.22		
Well No. 2A	6.67	2.62	3.85	2.82	0.20	1.51 - 4.00
Well No. 3	6.95		5.77	1.18		
Well No. 3A	8.26	1.86	5.67	2.59	0.73	0.78 - 3.31
Well No. 4	10.99		10.14	0.85		
Well No. 4A	10.78	2.28	8.25	2.53	0.25	1.60 - 3.88
Well No. 7	7.59		6.95	0.64		
Well No. 7A	7.33	2.60	4.66	2.67	0.07	2.38 - 3.40

NOTES:

Weather: 70 degrees F, Clear
 Readings by: Cortland Ridings
 Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

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, 1993.

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

Tide Stage: High
Time of Tide: 0802
Date: September 30, 1993
Time of Readings: 0800 - 0830

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 110 MONTHS (4)
Tide Gauge	4.76		2.05	2.71		
Well No. 2	6.92		4.40	2.52		
Well No. 2A	6.67	2.62	3.95	2.72	0.10	1.51 - 4.00
Well No. 3	6.95		5.00	1.95		
Well No. 3A	8.26	1.86	6.35	1.91	0.05	0.78 - 3.31
Well No. 4	10.99		8.89	2.10		
Well No. 4A	10.78	2.28	8.24	2.54	0.26	1.60 - 3.88
Well No. 7	7.59		5.32	2.27		
Well No. 7A	7.33	2.60	4.67	2.66	0.06	2.38 - 3.40

NOTES:

Weather: 60 degrees F, Clear
Readings by: Cortland Ridings
Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

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, 1993.

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

Tide Stage: Low

Time of Tide: 1354

Date: September 30, 1993

Time of Readings: 1400 - 1412

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 110 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.51	1.41		
Well No. 2A	6.67	2.62	3.82	2.85	0.23	1.51 - 4.00
Well No. 3	6.95		5.82	1.13		
Well No. 3A	8.26	1.86	5.46	2.80	0.94	0.78 - 3.31
Well No. 4	10.99		10.30	0.69		
Well No. 4A	10.78	2.28	8.23	2.55	0.27	1.60 - 3.88
Well No. 7	7.59		7.00	0.59		
Well No. 7A	7.33	2.60	4.65	2.68	0.08	2.38 - 3.40

NOTES:

Weather: 70 degrees F, Clear

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

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, 1993.

TABLE 3A**WATER LEVEL READINGS****AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**Tide Stage: High
Time of Tide: 0841
Date: October 1, 1993
Time of Readings: 0825 - 0847

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 110 MONTHS (4)
Tide Gauge	4.76		2.20	2.56		
Well No. 2	6.92		5.00	1.92		
Well No. 2A	6.67	2.62	4.08	2.59	-0.03	1.51 - 4.00
Well No. 3	6.95		5.10	1.85		
Well No. 3A	8.26	1.86	5.55	2.71	0.85	0.78 - 3.31
Well No. 4	10.99		8.93	2.06		
Well No. 4A	10.78	2.28	8.26	2.52	0.24	1.60 - 3.88
Well No. 7	7.59		5.39	2.20		
Well No. 7A	7.33	2.60	4.68	2.65	0.05	2.38 - 3.40

NOTES:

Weather: 60 degrees F, Clear
Readings by: Cortland Ridings
Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

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, 1993.

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

Tide Stage: Low

Time of Tide: 1417

Date: October 1, 1993

Time of Readings: 1408 - 1427

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 110 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.80	1.12		
Well No. 2A	6.67	2.62	4.00	2.67	0.05	1.51 - 4.00
Well No. 3	6.95		5.67	1.28		
Well No. 3A	8.26	1.86	6.02	2.24	0.38	0.78 - 3.31
Well No. 4	10.99		10.17	0.82		
Well No. 4A	10.78	2.28	8.26	2.52	0.24	1.60 - 3.88
Well No. 7	7.59		6.86	0.73		
Well No. 7A	7.33	2.60	4.67	2.66	0.06	2.38 - 3.40

NOTES:

Weather: 70 degrees F, Clear

Readings by: Cortland Ridings

Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

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, 1993.

ATTACHMENT B

**SHEET PILING/CAP INSPECTION REPORT
AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

	Check if any listed defect is observed					
	CRACKS OR GAPS	FLAKING OF SPALLING	FROST HEAVES	DEPRESSION OR 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						
• around well casings						
• along steel pilings	✓					Some gaps between sheet piling and asphalt noted. Should seal with asphalt.
• around fence posts						
C. Remaining area on either side of old pump house.						
1. Surface	✓					Minor cracking should be filled with asphalt.

ATTACHMENT B (Continued)

**SHEET PILING/CAP INSPECTION REPORT
AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

2. Joints	✓					Joint extending east from southern gate should be sealed.
• around well casings						
• around fence post						
• along steel pilings	✓					Gaps along sheet piling should be refilled with asphalt as required.
D. South drainage trough extension (concrete pipe)						
1. Surface						
2. Joints						

Inspected by: Courtland Ridings
Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts 02347

NOTE: The joints between the concrete trough (location south of the fence that encloses the area directly behind the plant) and pavement should be sealed with asphalt.