



SAIC Engineering, Inc.

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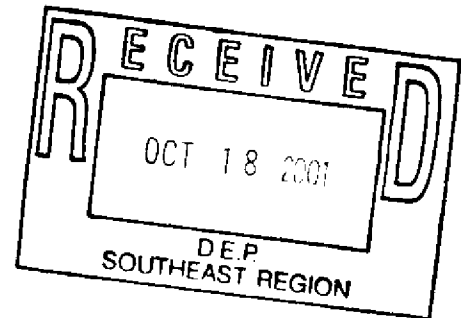
October 16, 2001

01-0801-05-0051-001

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

Attention: Mr. Frank Ciavattieri

Reference: **Aerovox Site Post-Closure Monitoring,
October 1, 2 and 3, 2001**



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 October 2, 2001 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
D. Lopes, Aerovox

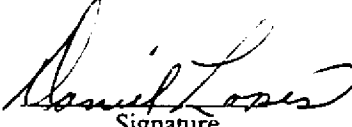


**POST-CLOSURE MONITORING REPORT
AEROVOX, INC.
NEW BEDFORD, MASSACHUSETTS**

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.

Daniel Lopes
Name

10/15/01
Date


Signature

Facilities Manager
Official Title

LIST OF ATTACHMENTS

Tables 1A and 1B Dated: 10/01/01

Tables 2A and 2B Dated: 10/02/01

Tables 3A and 3B Dated: 10/03/01

Cap Inspection Report - Fall 2001

TABLE 1A

WATER LEVEL READINGS

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High
 Time of Tide: 0745
 October 1, 2001
 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 206 MONTHS (4)
Tide Gauge	4.76		1.90	2.86		
Well No. 2	6.92		4.30	2.62		
Well No. 2A	6.67	2.62	3.14	3.53	0.91	1.51 - 4.00
Well No. 3	6.95		4.88	2.07		
Well No. 3A	8.26	1.86	5.44	2.82	0.96	0.78 - 3.31
Well No. 4	10.99		8.84	2.15		
Well No.4A	10.78	2.28	7.41	3.37	1.09	1.60 - 3.88
Well No. 7	7.59		5.19	2.40		
Well No. 7A	7.33	2.60	4.24	3.09	0.49	2.38 - 3.40

NOTES:

Readings by: Dave Minese
 Affiliation: SAIC Engineering, Inc., 10 Main Street, 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 October 2001.

TABLE 1B

**WATER LEVEL READINGS
AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
Time of Tide: 1330
October 1, 2001
Time of Readings: 1320 - 1354

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 206 MONTHS (4)
Tide Gauge	4.76		Dry			
Well No. 2	6.92		4.32	2.60		
Well No. 2A	6.67	2.62	3.21	3.46	0.84	1.51 - 4.00
Well No. 3	6.95		5.21	1.74		
Well No. 3A	8.26	1.86	6.08	2.18	0.32	0.78 - 3.31
Well No. 4	10.99		9.95	1.04		
Well No. 4A	10.78	2.28	7.33	3.45	1.17	1.60 - 3.88
Well No. 7	7.59		6.69	0.90		
Well No. 7A	7.33	2.60	4.19	3.14	0.54	2.38 - 3.40

NOTES:

Readings by: Dave Minese
Affiliation: SAIC Engineering, Inc., 10 Main Street, 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 October 2001.

TABLE 2A

**WATER LEVEL READINGS
AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High
Time of Tide: 0824
October 2, 2001
Time of Readings: 0815 - 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 206 MONTHS (4)
Tide Gauge	4.76		1.51	3.25		
Well No. 2	6.92		4.45	2.47		
Well No. 2A	6.67	2.62	3.45	3.22	0.60	1.51 - 4.00
Well No. 3	6.95		4.78	2.17		
Well No. 3A	8.26	1.86	6.02	2.24	0.38	0.78 - 3.31
Well No. 4	10.99		8.66	2.33		
Well No. 4A	10.78	2.28	7.37	3.41	1.13	1.60 - 3.88
Well No. 7	7.59		5.02	2.57		
Well No. 7A	7.33	2.60	4.21	3.12	0.52	2.38 - 3.40

NOTES:

Readings by: Dave Minese
Affiliation: SAIC Engineering, Inc., 10 Main Street, 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 October 2001.

TABLE 2B

**WATER LEVEL READINGS
AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
Time of Tide: 1357
October 2, 2001
Time of Readings: 1340 - 1407

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 206 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.08	1.84		
Well No. 2A	6.67	2.62	3.45	3.22	0.60	1.51 - 4.00
Well No. 3	6.95		5.59	1.36		
Well No. 3A	8.26	1.86	6.22	2.04	0.18	0.78 - 3.31
Well No. 4	10.99		9.88	1.11		
Well No. 4A	10.78	2.28	7.39	3.39	1.11	1.60 - 3.88
Well No. 7	7.59		6.71	0.88		
Well No. 7A	7.33	2.60	4.21	3.12	0.52	2.38 - 3.40

NOTES:

Readings by: Dave Minese
Affiliation: SAIC Engineering, Inc., 10 Main Street, 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 October 2001.

TABLE 3A

WATER LEVEL READINGS

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High
 Time of Tide: 0902
 October 3, 2001
 Time of Readings: 0847 - 0915

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 206 MONTHS (4)
Tide Gauge	4.76		1.74	3.02		
Well No. 2	6.92		4.42	2.50		
Well No. 2A	6.67	2.62	3.54	3.13	0.51	1.51 - 4.00
Well No. 3	6.95		4.83	2.12		
Well No. 3A	8.26	1.86	5.49	2.77	0.91	0.78 - 3.31
Well No. 4	10.99		8.73	2.26		
Well No. 4A	10.78	2.28	7.45	3.33	1.05	1.60 - 3.88
Well No. 7	7.59		5.11	2.48		
Well No. 7A	7.33	2.60	4.25	3.08	0.48	2.38 - 3.40

NOTES:

Readings by: Dave Mineese
 Affiliation: SAIC Engineering, Inc., 10 Main Street, 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 October 2001.

TABLE 3B

WATER LEVEL READINGS

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
 Time of Tide: 1429
 October 3, 2001
 Time of Readings: 1415 - 1440

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 206 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.22	1.70		
Well No. 2A	6.67	2.62	3.54	3.13	0.51	1.51 - 4.00
Well No. 3	6.95		5.72	1.23		
Well No. 3A	8.26	1.86	6.21	2.05	0.19	0.78 - 3.31
Well No. 4	10.99		10.08	0.91		
Well No. 4A	10.78	2.28	7.46	3.32	1.04	1.60 - 3.88
Well No. 7	7.59		6.84	0.75		
Well No. 7A	7.33	2.60	4.23	3.10	0.50	2.38 - 3.40

NOTES:

Readings by: Dave Minese
 Affiliation: SAIC Engineering, Inc., 10 Main Street, 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.
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SHEET PILING/CAP INSPECTION REPORT - FALL 2001

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	x	x			Near wells 4/4A
	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	x				See Note No. 4, 5
C.	Remaining area on either side of old pump house					
	1. Surface					
	2. Joints	x				See Note No. 3
	* around well casings	x				
	* around fence posts					
	* along steel pilings					
D.	South drainage trough extension (concrete pipe)					
	1. Surface					
	2. Joints					

Inspection by : Dave Minese
Affiliation: SAIC Engineering, Inc., 10 Main Street, Lakeville, Massachusetts, 02347

Note No. 1: Minor cracks between building and chilling units

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

Note No. 3: Cracks in pavement in parking spaces Nos. 333, 336, 330, 329, 328 and South of 328, some extending under fence easterly, need sealing

Note No. 4: Crack south of northeast corner of fenced area (3rd segment) should be resealed, in fenced area and easterly to sheet pile line
Crack running under 10th segment (S of NE corner) should be resealed