



SAIC Engineering, Inc.

A Subsidiary of Science Applications International Corporation

An Employee-Owned Company

Aerovox
2.3
248157



SDMS DocID

248157

September 22, 2000

01-0801-05-0051-202

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

Attention: Mr. Frank Ciavattieri

Reference: **Aerovox Site Post-Closure Monitoring,
September 12, 13 and 14, 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 September 13, 2000 full moon period.

The next inspection and round of water level readings are scheduled for the March 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
P. Szwaja, Aerovox

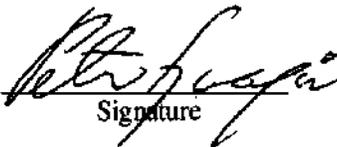


**POST-CLOSURE MONITORING REPORT
AEROVOX, INC.
NEW BEDFORD, MASSACHUSETTS**

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

Sept. 22, 00
Date


Signature

Manager of Environmental Health and Safety
Official Title

LIST OF ATTACHMENTS

Tables 1A and 1B Dated: 9/12/00

Tables 2A and 2B Dated: 9/13/00

Tables 3A and 3B Dated: 9/14/00

Cap Inspection Report - Fall 2000

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

Tide Stage: High

Time of Tide: 0736

September 12, 2000

Time of Readings: 0710 - 0743

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 194 MONTHS (4)
Tide Gauge	4.76		2.43	2.33		
Well No. 2	6.92		4.14	2.78		
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	5.72	2.54	0.68	0.78 - 3.31
Well No. 4	10.99		9.19	1.80		
Well No. 4A	10.78	2.28	8.25	2.53	0.25	1.60 - 3.88
Well No. 7	7.59		5.65	1.94		
Well No. 7A	7.33	2.60	4.40	2.93	0.33	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 September 2000.

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

Tide Stage: Low

Time of Tide: 1308

September 12, 2000

Time of Readings: 1245 - 1317

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASILINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 194 MONTHS (4)
Tide Gauge	4.76		Dry	-		
Well No. 2	6.92		5.54	1.38		
Well No. 2A	6.67	2.62	3.73	2.94	0.32	1.51 - 4.00
Well No. 3	6.95		5.82	1.13		
Well No. 3A	8.26	1.86	6.25	2.01	0.15	0.78 - 3.31
Well No. 4	10.99		10.58	0.41		
Well No. 4A	10.78	2.28	8.24	2.54	0.26	1.60 - 3.88
Well No. 7	7.59		7.24	0.35		
Well No. 7A	7.33	2.60	4.42	2.91	0.31	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 September 2000.

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

Tide Stage: High

Time of Tide: 0817

September 13, 2000

Time of Readings: 0805 - 0833

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 194 MONTHS (4)
Tide Gauge	4.76		1.91	2.85		
Well No. 2	6.92		4.35	2.57		
Well No. 2A	6.67	2.62	3.54	3.13	0.51	1.51 - 4.00
Well No. 3	6.95		5.11	1.84		
Well No. 3A	8.26	1.86	5.53	2.73	0.87	0.78 - 3.31
Well No. 4	10.99		8.96	2.03		
Well No.4A	10.78	2.28	8.25	2.53	0.25	1.60 - 3.88
Well No. 7	7.59		5.34	2.25		
Well No. 7A	7.33	2.60	4.34	2.99	0.39	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 September 2000.

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

Tide Stage: Low

Time of Tide: 1344

September 13, 2000

Time of Readings: 1330 - 1358

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 194 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.44	1.48		
Well No. 2A	6.67	2.62	3.57	3.10	0.48	1.51 - 4.00
Well No. 3	6.95		5.93	1.02		
Well No. 3A	8.26	1.86	5.25	3.01	1.15	0.78 - 3.31
Well No. 4	10.99		10.58	0.41		
Well No. 4A	10.78	2.28	8.25	2.53	0.25	1.60 - 3.88
Well No. 7	7.59		7.28	0.31		
Well No. 7A	7.33	2.60	4.30	3.03	0.43	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 September 2000.

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

Tide Stage: High
 Time of Tide: 0857
 September 14, 2000
 Time of Readings: 0840 - 0910

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 194 MONTHS (4)
Tide Gauge	4.76		1.65	3.11		
Well No. 2	6.92		4.11	2.81		
Well No. 2A	6.67	2.62	3.67	3.00	0.38	1.51 - 4.00
Well No. 3	6.95		5.15	1.80		
Well No. 3A	8.26	1.86	6.29	1.97	0.11	0.78 - 3.31
Well No. 4	10.99		8.91	2.08		
Well No. 4A	10.78	2.28	8.25	2.53	0.25	1.60 - 3.88
Well No. 7	7.59		5.27	2.32		
Well No. 7A	7.33	2.60	4.37	2.96	0.36	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 September 2000.

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

Tide Stage: Low

Time of Tide: 1421

September 14, 2000

Time of Readings: 1409 - 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 194 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.22	1.70		
Well No. 2A	6.67	2.62	3.67	3.00	0.38	1.51 - 4.00
Well No. 3	6.95		5.80	1.15		
Well No. 3A	8.26	1.86	5.44	2.82	0.96	0.78 - 3.31
Well No. 4	10.99		10.45	0.54		
Well No. 4A	10.78	2.28	8.27	2.51	0.23	1.60 - 3.88
Well No. 7	7.59		7.11	0.48		
Well No. 7A	7.33	2.60	4.38	2.95	0.35	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.
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SHEET PILING/CAP INSPECTION REPORT - FALL 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	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 : 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, in fenced area and easterly to sheet pile line

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 and 336, and extending under fence easterly, need sealing