

COMPARISON OF CAMBRIDGE TAP WATER W/EPA & STATE STANDARDS FOR 1991

PARAMETER	FINISHED WATER (mg/L)	EPA & STATE STANDARDS (mg/L)
TURBIDITY	0.1 - 0.2 N.T.U.	0.5 N.T.U.
COLOR	3 - 5 color units	15 color units
CONDUCTIVITY	300-400 umhos/cms	--
ALKALINITY	20-40	--
FREE CHLORINE	0.9 - 1.5	-- *
TOTAL CHLORINE	1.2-1.5	250 **
pH	7.5 - 8.5	--
HARDNESS	15 - 60	--
ALUMINUM	0.2	0.05 (proposed)
ARSENIC	<0.005	0.5
BARIUM	0.02	1.0
CADMIUM	<0.005	0.01
CALCIUM	15.2	--
CHLORIDE	56	250
CHROMIUM	<0.02	0.05
COPPER	<0.01	1.0
FLUORIDE	1.0	2.0
IRON	0.13 ++	0.30
LEAD	<0.005	0.05
MAGNESIUM	3.2	--
MANGANESE	0.07 ++	0.05
MERCURY	<0.0002	<0.0002
SELENIUM	<0.005	0.01
SILICA	5.3	--
SILVER	<0.01	0.5
SODIUM	30	20
ZINC	<0.02	5.0
NITRATE	0.5	10.0
SULFATE	35	250
DISSOLVED SOLIDS	176	500
TOTAL COLIFORM	0 C.F.U./100ML	0 C.F.U./ML
STANDARD PLATE COUNT	5-10 C.F.U./ML	500 C.F.U./ML

TOTAL TRIHALOMETHANES; SDWA TTHM STANDARD

Four Quarter Average

100 p.p.b.

Current four quarters data average

56 p.p.b.

Current quarters average

92 p.p.b.

NO OTHER REGULATED VOLATILE ORGANICS, PESTICIDES OR HERBICIDES ARE FOUND.

* FREE CHLORINE LEVEL AT CONSUMERS TAP IS <0.2 MG/L

** TOTAL CHLORINE LEVEL AT CONSUMERS TAP IS < 0.5 MG/L

++ IRON AND MANGANESE VALUES ARE FROM THE END OF THE DISTRIBUTION SYSTEM.

City should lower water turbidity

ELIMINATE ALUMINUM
FROM WATER

ADDING 4

I was pleased to see the *Chronicle* (Nov. 11) story on our water supply on page one, where it belongs. Nothing other than the air we breathe is more crucial in determining the quality of our lives. Foul the water enough and all else becomes a frill.

It is important to know that the

plant has been using aluminum and one-half times higher than the proposed EPA standards and one of the changes under consideration is on to something "a little more costly" to reduce turbidity. Not switching this part of the operation would be grossly negligent since aluminum has been linked to

Alzheimer's Disease. I urge all members of the city council and city officials to support the change which would improve our health and reduce future medical costs.

Vivian Kurkjian
Buckingham Street

1/9/92

Cambridge Chronicle

1. Panning aluminium. (Alzheimer patients linked to areas with a lot of aluminium in water) il v319 The Economist June 8 '91 p84(2)

LIBRARY SUBSCRIBES TO JOURNAL

2. Aluminum accumulation during treatment with aluminum hydroxide and dialysis in children and young adults with chronic renal disease. by I.B. Salusky, J. Foley, P. Nelson and W.G. Goodman il v324 The New England Journal of Medicine Feb 21 '91 p527(5)

ABSTRACT AVAILABLE, LIBRARY SUBSCRIBES TO JOURNAL

3. Aluminum - much ado about something. (editorial) by Donald J. Sherrard v324 The New England Journal of Medicine Feb 21 '91 p558(2)

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4. Aluminum accumulation during treatment with aluminum hydroxide and dialysis in children and young adults with chronic renal disease. by I.B. Salusky, J. Foley, P. Nelson and W.G. Goodman il v324 The New England Journal of Medicine Feb 21 '91 p527(5)

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5. Aluminum - much ado about something. (editorial) by Donald J. Sherrard v324 The New England Journal of Medicine Feb 21 '91 p558(2)

ABSTRACT AVAILABLE, LIBRARY SUBSCRIBES TO JOURNAL

6. Alzheimer's disease: is it aluminum? (aluminum in the body may play a role) by Lisa Poniatowski Easley il v15 Harvard Health Letter Oct '90 p1(3)

7. Serum aluminum levels and erythrocyte dihydropteridine reductase activity in patients on hemodialysis. (DHPR, enzyme dihydropteridine reductase) by Paul Altmann, Farah Al-Salihi, Keith Butter, Paul Cutler, John Blair, Frank Marsh, Robert Leeming and John Cunningham il v317 The New England Journal of Medicine July 9 '87 p80(5)

LIBRARY SUBSCRIBES TO JOURNAL

8. Aluminum: a high price for a surrogate? (toxic effects of excessive aluminum in the body) by Diane D. Edwards il v131 Science News April 18 '87 p245(1) 3900298

LIBRARY SUBSCRIBES TO JOURNAL

9. Early deposition of aluminum in bone in diabetic patients on hemodialysis. by Dennis L. Andress, Jeffrey B. Kopp, Norma A. Maloney, Jack W. Coburn and Donald J. Sherrard il v316 The New England Journal of Medicine Feb 5 '87 p292(5)

LIBRARY SUBSCRIBES TO JOURNAL

10. Aluminum outbreak to prevent senility. by J.A. Treichel v124 Science News Oct 1 '83 p213(1) 1605121

LIBRARY SUBSCRIBES TO JOURNAL

11. Possible help for Alzheimer's disease. (chelating, or aluminum-removing, drugs like deferoxamine) (column) by Carlton Fredericks v34 Prevention Aug '82 p28(1) 15C1191

LIBRARY SUBSCRIBES TO JOURNAL

12. Aluminum indicted for memory loss. (when overabundant in the brain) by Carlton Fredericks v33 Prevention Oct '81 p30(1) 08F3174

LIBRARY SUBSCRIBES TO JOURNAL

14. Aluminum risk. by Stuart Diamond il v3 Omni Feb '81 p40(1) 06A3550

LIBRARY SUBSCRIBES TO JOURNAL

15. Aluminum again linked with senility. v32 Prevention Aug '80 p40(1) 03H1784

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FIND SU ALUMINUM

-----HU HOLLIS# ALT8841

TITLE: Report of the research group for study on the high-temperature deformation in aluminum and its alloys.
PUB. INFO: Osaka, Japan : The Light Metal Educational Foundation, 1984.
DESCRIPTION: 266 p. : ill. ; 30 cm.

SUBJECTS: *S1 Aluminum--Thermal properties.
*S2 Aluminum alloys--Thermal properties.
*S3 Materials at high temperatures.

LOCATION: CRL (Chicago):

FIND ME ALUMINUM

-----HU HOLLIS# AHP0970

TITLE: Aluminum and health : a critical review / edited by Hillel J. Gitelman.
PUB. INFO: New York : Dekker, c1989.
DESCRIPTION: xiii, 294 p., 2 p. of plates : ill. (some col.) ; 24 cm.

MED. SUBJECTS: *M1 Aluminum.

LOCATION: Countway Medicine: QV 65 A471 1989

FIND ME ALUMINUM

-----HU HOLLIS# ACQ5352

TITLE: Aluminium and other trace elements in renal disease / edited by Andrew Taylor.
PUB. INFO: London ; Philadelphia : Baillière Tindall, c1986.
DESCRIPTION: xi, 367 p. : ill. ; 23 cm.

MED. SUBJECTS: *M1 Aluminum--adverse effects--congresses.
*M2 Nephrology--congresses.
*M3 Trace Elements--congresses.

LOCATION: Countway Medicine: WJ 300.3 A468 1985

-----HU HOLLIS# AFJ7040

AUTHOR: Symposium on Trace Elements in Renal Insufficiency (1983 : Bernried, Germany)
TITLE: Trace elements in renal insufficiency / Symposium on Trace Elements in Renal Insufficiency, Bernried, March 10-12, 1983 ; volume editors, E.A. Quellhorst, K. Finke, C. Fuchs.
PUB. INFO: Basel ; New York : Karger, 1984.
DESCRIPTION: ix, 206 p. : ill. ; 25 cm.
SERIES: Contributions to nephrology ; v. 38

MED. SUBJECTS: *M1 Aluminum--metabolism--congresses
*M2 Hemodialysis--congresses
*M3 Kidney Failure, Chronic--complications--congresses
*M4 Kidney Failure, Chronic--metabolism--congresses
*M5 Metabolic Diseases--etiology--congresses

LOCATION: Countway Medicine: WJ 342 S989t 1983

-----HU HOLLIS# AJO6576

TITLE: Aluminum and renal failure / edited by Marc E. de Broe and Jack W. Coburn.
PUB. INFO: Dordrecht ; Boston : Kluwer Academic, c1990.
DESCRIPTION: ix, 375 p. : ill. ; 25 cm.
SERIES: Developments in nephrology ; v. 26

MED. SUBJECTS: *M1 Hemodialysis--complications.
*M2 Aluminum--toxicity.
*M3 Kidney Failure, Chronic--therapy.
*M4 Kidney Failure, Chronic--complications.

LOCATION: Countway Medicine: WJ 342 A471 1990
FIND SU ALUMINUM

-----HU HOLLIS# AIG6977

TITLE: Aluminium in food and the environment : the proceedings of a symposium organised by the Environment and Food Chemistry Groups of the Royal Society of Chemistry, London, 17th May 1988 / edited by R. Massey, D. Taylor.
PUB. INFO: Cambridge [England] : Royal Society of Chemistry, c1989.
DESCRIPTION: 108 p. : ill. ; 21 cm.
SERIES: Special publication ; no. 73

SUBJECTS: *S1 Aluminum--Environmental aspects.
*S2 Aluminum--Toxicology.
*S3 Food contamination.

LOCATION: Cabot Science: RA1231.A5 A49 1989
C1 - Enter DISPLAY C1 for circulation information

86 Buckingham Street
Cambridge, Massachusetts 02138
June 4, 1992

Ms. Nancy Barnes, Managing Director
Cambridge Water Dept.
250 Fresh Pond Parkway
Cambridge, Massachusetts 02138

Dear Ms. Barnes:

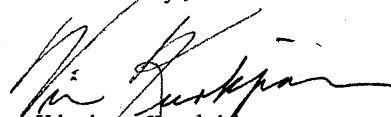
I have been unable to reach you by telephone to express my concerns over the addition of aluminum as part of the filtering process of Cambridge's water supply. I have spoken to many people who have been appalled at the thought of this dangerous contaminant which has been linked to Alzheimer's Disease and other health problems in our drinking water.

Whether there is still disagreement about aluminum causing Alzheimer's Disease or not, its presence in the brain and other parts of the body poses a danger.

I hope it is not too late to make the decision to switch to another method of filtering our water in the proposed new treatment plant. The slightly extra cost is well worth the price since everything depends on how we are able to function, in the mind as well as the body.

I am enclosing some background on the hazards of aluminum and hope you will understand why so many have serious reservations about its use in our food chain.

Sincerely,


Vivian Kurkjian

Enclosure

cc: Cambridge City Council ✓
Dr. Melvin Chaflen

Consent Comm. # 11

5-508

Comm. from Vivian Kurkjian, 86
Buckingham Street, regarding the
addition of aluminium as part of the
filtering process of the water
supply.

In city Council,

June 15, 1992

Placed on file