



CITY OF CAMBRIDGE
INTEROFFICE CORRESPONDENCE

To James Sullivan, City Manager

Date August 22, 1980

From Conrad Fagone, Commissioner Public Works

C. Fagone

Reference

Subject COUNCIL ORDER RE: SODIUM IN DRINKING WATER

The sodium element in our water supply is attributed to naturally occurring levels in the soil, the runoff from highways which have been treated with sodium chloride as a de-icing compound, the surface and subsurface runoff from sodium chloride storage areas, and the use of sodium hydroxide in the treatment process as a control to prevent corrosion in lead services.

Current technology does not provide a treatment method that will remove sodium from water. Hence, the City is actively involved in reducing the amount of sodium introduced.

An analysis of the plant facility that looked for adaptation of an alternative corrosion control chemical was recently completed. Conversion to a ferric base flocculant with calcium hydroxide replacing sodium hydroxide was recommended. It is anticipated that this will result in an approximate 45% reduction in the present sodium levels.

A program developing no-salt zones for facility parking lots within the watershed has been initiated. The City also participates on the Massachusetts Department of Public Works Snow and Ice Task Force and has requested the assistance of cities and towns within the watershed limits.

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CITY MANAGER



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
Tel. 498-9011

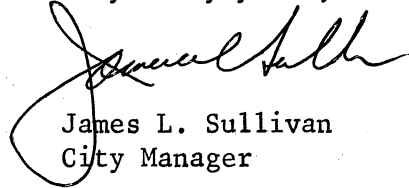
EXECUTIVE DEPARTMENT
JAMES L. SULLIVAN
City Manager

September 8, 1980

To the Honorable, the City Council:

With respect to City Council Order No. 18 of August 4, 1980, regarding the use of rock salt in the Hobbs Brook area and the progress made in reducing the sodium content in the water supply in 1979, enclosed please find copy of a report from Conrad C. Fagone, Commissioner of Public Works.

Very truly yours,



James L. Sullivan
City Manager

JLS/mbf
Enc.

Agenda # 3

S-401

Response to City Council Order Number
Eighteen of August 4, 1980 relative to the
use of rock salt in the Hobbs Brook area and
the progress made in reducing the sodium
content in the water supply.

In City Council,

September 8, 1980

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