



CITY OF CAMBRIDGE

MASSACHUSETTS

WATER DEPARTMENT
250 FRESH POND PARKWAY
CAMBRIDGE, MASS. 02138

John J. Cusack, Jr.
Superintendent

617-498-9070

TO: Robert W. Healy,
City Manager

FROM: *ggc* John J. Cusack, Jr.,
Superintendent

DATE: October 27, 1989

SUBJECT: COUNCIL ORDER NOS. 4 & 37 - (10/16-89): WATER DEPARTMENT PLAN

Pursuant to our October 20th meeting on the Council Orders referenced above, the C.W.D. is transmitting the following information:

1. The C.W.D. will develop a standardized report form to respond to water customer questions and/or complaints. In the event of either an actual or potential contamination incident, the C.W.D. is required to conduct a "public notification process" pursuant to the requirements of State "Drinking Water Regulations" Section 22.16.
2. The City of Cambridge Personnel Department is actively working on this matter with the State Department of Personnel Administration (D.P.A.).
3. Appointments to the Water Board are made by the City Manager pursuant to City Ordinance 19-1.
4. The C.W.D. has completed the first round of interviews of candidates for the vacant position of "Water Quality Control Supervisor". This position should be filled in early November. Additional personnel for the laboratory will be considered later, when the State establishes new water quality testing requirements.
5. The C.W.D. is authorized to issue "Water Works Construction Permits" pursuant City Ordinance Chapter 19 and M.G.L. Ch. 40, Sections 39E & 39G. The question of which Department issues permits first should be resolved by the Law Department.
6. Fire Protection connections must be approved by the Fire Prevention Office of the Cambridge Fire Department prior to an application for a "Water Works Construction Permit" referenced in Item No. 5.

Memo

Robert W. Healy,
City Manager

- 2 -

October 27, 1989

7. The C.W.D. has an appropriation in its FY90 capital improvement program budget for rehabilitation work in the existing Chlorine Room. Safety and Security modifications will be included in this construction project, in accordance with the guidelines and recommendations of the Chlorine Institute, which is recognized as the leading authority on chlorine safety.

8. The C.W.D. has recently completed several upgrading and rehabilitation projects in the W.T.P. including, a new corrosion control system, new flocculation equipment, new backwash pumps, new sludge pumps, new high lift pumps, a replacement fluoride system, and new surge control equipment.

The filtration system and pipe galleries are now considered the top priority work area in the W.T.P. Preliminary investigation work is completed, conferences with State Department of Environmental Protection Water Supply officials have been conducted, and manufacturers have been consulted to establish an overall replacement program. Construction contract for replacement of filtration media will be advertised during the winter.

9. The mercury manometers will be replaced when the mechanical work on the rate controllers for each filter takes place.

10. The Massachusetts Water Resources Authority (M.W.R.A.) has promulgated "Sewer Use Rules and Regulations" (360 C.M.R. 10.000). Water treatment plant sludge is specifically prohibited from the sewer system under Section 10.023-13; however, the City may request a variance of this prohibition under Section 10.026 of these regulations.

11. Recent replacement projects have included separate purchases of spare parts.

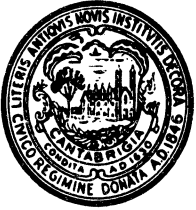
12. The C.W.D. will consider the use of this chemical substitute when it evaluates the new disinfection requirements established the Environmental Protection Agency (E.P.A.).

13. The C.W.D. has one of the most aggressive watershed protection programs of any water system with a surface water source of supply.

Other: The concept of a replacement water treatment plant facility could be considered as a long range planning option. The time estimate required to place a new water treatment plant on line is at least five or six years. In the event that the City pursues a new water treatment plant, the existing facility would have to be improved and/or upgraded concurrently to meet regulatory requirements.

JJC/mp

cc: Water Board Members



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139

TEL. 498-9011

EXECUTIVE DEPARTMENT

ROBERT W. HEALY

City Manager

RICHARD C. ROSSI

Deputy City Manager

November 13, 1989

To the Honorable, the City Council:

In response to Awaiting Report Item No. 48, regarding draft action plan on water quality, I am enclosing the attached report from the Water Department.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Robert W. Healy", is written over a horizontal line.

Robert W. Healy
City Manager

RWH/dls
enclosure

Agenda # 3 S- 778

Awaiting Report Item Number 48, regarding
draft action plan on water quality.

In City Council,

November 13, 1989

Placed on file