



City of Cambridge

In the Year One Thousand, Nine Hundred Seventy Nine

AN ORDINANCE

Relative to the Storage and Transport of Radioactive Wastes in
The City of Cambridge

Be it ordained by the City Council of the City of Cambridge as follows:

The use of radioactive material is well-established in industrial, research, and hospital procedures as a useful and essential technique in the City of Cambridge as well as elsewhere; and

The number of disposal sites for radioactive wastes in the United States has recently been decreased in number to the extent that such disposal is now recognized as a national, regional, and community problem, the solution to which appears to be regional responsibility; and Federal regulations include strict measures for the procurement and usage of radioactive materials through licensing, inspection, citation and similar procedures and also for the transportation of these materials, as do further regulations imposed by the Commonwealth of Massachusetts; and The City Council, in order to ensure that the citizens of Cambridge may have confidence that no unsafe or hazardous procedures will be permitted in the handling of radioactive wastes in the City of Cambridge, has initiated a study on this issue; and be it further

ORDERED:

That Chapter Eleven entitled: "Health and Housing" of "The Code of the City of Cambridge" is hereby amended by adding at the end thereof a new Article III entitled: ORDINANCE FOR THE STORAGE AND FOR THE TRANSPORT OF RADIOACTIVE MATERIAL IN THE CITY OF CAMBRIDGE" which reads as follows:-

ARTICLE III

ORDINANCE FOR THE STORAGE AND FOR THE TRANSPORT
OF RADIOACTIVE MATERIAL IN THE CITY OF CAMBRIDGE.

1. Institutions making use of radioactive materials shall comply fully with all relevant regulations established by the Federal Government and the Commonwealth of Massachusetts for the storage, handling, and

transport of these materials; and comply in addition with such other health regulations as the Commissioner of Health and Hospitals of the City of Cambridge may promulgate from time to time; and

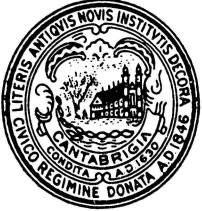
2. The Health Policy Board, which has been instituted by order of the City Council and which is composed of a representative group of Cambridge citizens, shall include the health aspects of radioactivity within its study of public health and environment issues in Cambridge and make recommendations regarding them to the Commissioner of Health and Hospitals in Cambridge; and
3. The Commissioner shall enforce compliance with all relevant regulations as now exist or as may be adopted in the future and shall act to close any such operations that he deems hazardous to the public health; and
4. In regard to the storage of radioactive material and, in particular, of radioactive waste, the following regulations shall apply:
 - a) Each storage location shall be under the control of a designated qualified person.
 - b) Radioactive waste materials shall be packaged and stored only under the supervision of authorized persons and records of the type and amount of waste shipped from Cambridge shall be maintained.
 - c) Qualified radiation safety technicians shall inspect storage locations regularly and check for possible contamination.
 - d) All relevant records and reports shall be available to the Commissioner of Health for his inspection as he may require.
5. In supplement to the preceding rules in paragraph (4) above, the following regulations shall apply to the storage locations for radioactive waste:
 - a) Radioactive waste must be stored only in restricted locations while waiting disposal.
 - b) Storage locations must be secure and protected against tampering or unauthorized removal of material.
 - c) Storage locations must have adequate safeguards against fire or flooding.
 - d) Storage locations must have adequate ventilation to protect workers and prevent accumulation of explosive vapors.

6. In addition to the oversight and enforcement authority of the Commissioner of Health, the Head of the Cambridge Fire Department shall exercise his full authority in regard to hazards other than radioactivity, including but not limited to any potential risk of fire related to the solvents containing some radioactive wastes.
 - a) If the waste fluid is flammable as defined in Chapter 148 of the General Laws of Massachusetts, it shall be stored in accordance with the requirements of Sections 10A and 13 of Chapter 148 and all rules promulgated therefrom. For quantities not exceeding the amounts stated in Rule 3 of Section 10A a PERMIT shall be obtained from the head of the fire department. For quantities exceeding those stated in Rule 3, Section 10A, Chapter 148, application shall be made annually to the Cambridge License Commission for a Certificate of Registration, which is the license to store flammable fluids.

The storage of all flammable fluids shall be as directed by the head of the fire department who shall cause storage locations to be inspected at the time of original application, at the time of annual renewal of the PERMIT or LICENSE, and at such other times as he may deem necessary.

7. The transport of radioactive material shall comply with all relevant Federal and State requirements including those of the users of radioactive material who transport radioactive material outside the confines of the place of use or who deliver any radioactive material to a carrier for transport shall comply with the applicable requirements of the regulations appropriate to the mode of Department of Transportation in 49 CFR Parts 170-189 and of the Nuclear Regulatory Commission in 10 CFR 71 insofar as such regulations relate to the packaging, marking and labeling of packages, loading and storage of packages, placarding of the transportation vehicle, monitoring requirements and accident reporting. Further, trucks transporting radioactive material should be placarded with signs reading RADIOACTIVE as specified in Department of Transportation Regulations 172.556. The carrier of radioactive material is responsible for determining that the transport vehicle has the appropriate placards.
8. If any section, sub-section, sentence, clause, phrase or portion of this ordinance is for any reason held invalid or unconstitutional by any Court of competent jurisdiction such portion shall be deemed a separate distinct and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

9. For the purposes of this ordinance radioactive material is defined as material having a significant excess of radioactive atoms over the natural abundance. Specifically, in this ordinance the terms "radioactive material" or "radioactive waste" are defined as quantities in excess of those categorized as exempt concentrations in Federal Regulations 10 CFR 30.70.



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
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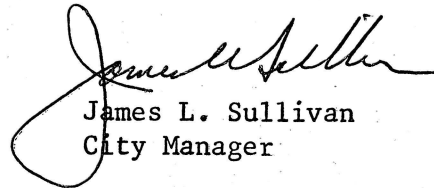
EXECUTIVE DEPARTMENT
JAMES L. SULLIVAN
City Manager

December 3, 1979

To the Honorable, the City Council:

With reference to Awaiting Report Item No. 23, City Council Order of October 22, 1979, and Awaiting Report Item No. 30, City Council Order of November 19, 1979, enclosed please find copy of proposed ordinance pertaining to the disposal and transportation of radioactive wastes.

Very truly yours,


James L. Sullivan
City Manager

JLS/b

Response to Awaiting Reports no. 23 and 30,
with a proposed ordinance re: disposal and
transportation of radioactive waste.

*IV Motion to Refer
to the City Council
Ordinance Committee
for 1980-1981*

In City Council,
December 3, 1979