



# BETHESDA HOSPITAL

619 Oak Street • Cincinnati, Ohio 45206

September 10, 1979

Mr. James H. Sniezk, Director  
Division of Fuel Facility and Material Safety Inspection  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Sniezk:

In answer to your recent NRC Bulletin No. 79-19 with the Bethesda Hospital, 619 Oak Street, Cincinnati, Ohio 45206, NRC License No. 34-10921-03. The answers to the following three questions in the bulletin are as follows:

1. There were exactly three (3) shipments of Low-level Radioactive wastes shipped for 1978. There was exactly one (1) shipment made in July, 1979. The total for these shipments were eleven 55 gallon drums of Radioactive wastes. These wastes were shipped by the Atomic Disposal Company, P.O. Box 35, Tinley Park, Illinois 60477, U.S. NRC License No. 12-11286-1, Illinois License No. IL-00304-01.
2. Total quantity in curies is total amount of Radioactivity shipped was 33 mCi. The principal isotopes that these shipments consisted of were 99m Technetium, Selenium 75, Iodine 131, Thallium 201, Iodine 125, Cobalt 57, Chromium 51, and Xenon 133.
3. The principal radioactive wastes shipped were in the form of Low-level liquid radioactive wastes. The wastes were placed inside of plastic bags and these bags placed in barrels filled with Vermiculite around the plastic bags and shipped by the Atomic Disposal Company.

If you should need any additional information regarding this Licensee's records, please feel free to contact me.

Sincerely yours,

Douglas R. Weitzel, R.T., CNMT.  
Radiation Safety Officer Representative

DRW/dd

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RADIATION PROTECTION OFFICER INSPECTION

(Preferably conducted in conjunction with hospital administrator)

1. Licensee: Bethesda Hospital
2. Address: 619 Oak Street, Cincinnati, Ohio
3. License No.: 34-10921-03  
and  
Date of Expiration: October 31, 1980
4. Date of Inspection: April 24, 1980
5. Inspection Findings:

The inspection was an examination of the activities conducted under the above license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission's rules and regulations and the conditions of the above license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the Radiation Protection Officer. The findings as a result of this inspection are as follows:

I. Posting of Notices and Signs:

- A. Rooms or areas were properly posted to indicate the presence of a RADIATION AREA. 10 CFR 20.203(c) or 34.42

Yes   X   No \_\_\_\_\_ N/A \_\_\_\_\_

- B. Rooms or areas were properly posted to indicate the presence of a HIGH RADIATION AREA. 10 CFR 20.203(c) or 34.42

Yes \_\_\_\_\_ No \_\_\_\_\_ N/A   X  

- C. Rooms or areas were properly posted to indicate the presence of an AIRBORNE RADIOACTIVITY AREA. 10 CFR 20.203(d)

Yes   X   No \_\_\_\_\_ N/A \_\_\_\_\_

- D. Rooms or areas were properly posted to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(e)

Yes   X   No \_\_\_\_\_ N/A \_\_\_\_\_

- E. Containers were properly labeled to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(f)(1) or (f)(2)

Yes   X   No \_\_\_\_\_ N/A \_\_\_\_\_

- F. A copy of the regulation on "Notices, Instructions and Reports to Workers: Inspections" was properly posted for use by individuals participating in the licensed activities. 10 CFR Part 19, 10 CFR 19.11(a)(1)

Yes   X   No \_\_\_\_\_ N/A \_\_\_\_\_

G. A copy of the regulation on "Standards for Protection Against Radiation" was properly posted for use by the individuals participating in the licensed activities. 10 CFR Part 20, 10 CFR 19.11(a)(1)

Yes  No  N/A

H. Copies of the current license, license conditions, and amendments thereto were properly posted. 10 CFR 19.11(a)(2)

Yes  No  N/A

I. Copies of the documents incorporated into the current license by reference were properly posted. 10 CFR 19.11(a)(2)

Yes  No  N/A

J. A copy of the operating procedures applicable to licensed activities was properly posted. 10 CFR 19.11(a)(3)

Yes  No  N/A

K. Posting of documents specified in 10 CFR 19.11(a)(1,2,3) was not practicable; therefore the licensee posted notice which describes the documents and states where they may be examined. 10 CFR 19.11(b)

Yes  No  N/A

L. Form NRC-3, "Notice to Employees," was posted in a sufficient number of places for use by the individuals who work in or frequent any portion of restricted areas. 10 CFR 19.11(c)

Yes  No  N/A

M. A copy of any notice of violation involving radiological working conditions, proposed imposition of civil penalty, or order issued pursuant to Subpart B or 10 CFR Part 2 was posted within 2 working days after the receipt of notice. 10 CFR 19.11(a)(4),(e)

Yes  No  N/A

N. A copy of the licensee's response, if any, to a notice of violation, etc. (10 CFR 19.11(a)(4)) was posted within 2 working days after the dispatch of response by the licensee. 10 CFR 19.11(a)(4),(e)

Yes  No  N/A

O. The documents posted in compliance with 10 CFR 19.11(a)(4) and (e) remained posted for a minimum of 5 working days or until action correcting the violation was completed, whichever was later. 10 CFR 19.11(e)

Yes  No  N/A

Date of Receipt of Violation: N/A  
Date of Dispatch of Response: N/A  
Date of Corrective Action: N/A  
Date on Which Documents Posted: N/A  
Date on Which Documents Removed: N/A

II. Records and Reports:

P. Records of current occupational radiation exposures of individuals were properly maintained on Form NRC-5. 10 CFR 20.401 or 34.33(b)

Yes  (equivalent) No \_\_\_\_\_ N/A \_\_\_\_\_

Q. Records of individual accumulated occupation dose were maintained for each radiation worker on Form NRC-4. 10 CFR 20.102

Yes  (equivalent) No \_\_\_\_\_ N/A \_\_\_\_\_

R. Records of radiation surveys of all the working areas where the licensed material is used were maintained. 10 CFR 20.201 (b) or 30.43(d)

Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

S. Records of disposal of licensed radioactive material were properly maintained. 10 CFR 20.302, 20.302

Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

T. Records of receipt, transfer, disposal, export of licensed material were properly maintained. 10 CFR 30.51, 40.61

Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

U. Records of leak tests were maintained as prescribed in the license. 10 CFR 34.25(c)

Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

Frequency of Leak Test: every 6 months

Date of Last Leak Test: 10/25/1979

V. Records of isotope inventories were properly maintained to comply with item #8 of byproduct material license. 10 CFR 34.26

Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

W. Utilization logs of each isotope received were properly maintained. 10 CFR 34.27

Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

X. Records of calibration of radiation survey instruments as required by the conditions of license were properly maintained. 10 CFR 34.24  
Yes  \_\_\_\_\_ No \_\_\_\_\_ N/A \_\_\_\_\_

Frequency of Calibration: \_\_\_\_\_ annually \_\_\_\_\_  
Date of Last Calibration: \_\_\_\_\_ Picker (8/3/1979) Eberline (3/25/1980) \_\_\_\_\_

Y. Records of bioassay tests were maintained on all individuals per requirements of license. 10 CFR 20.108  
Yes  \_\_\_\_\_ No \_\_\_\_\_ N/A \_\_\_\_\_

Frequency of Bioassay Test: \_\_\_\_\_ annually (whole body counter) \_\_\_\_\_  
Date of Last Bioassay Test: \_\_\_\_\_ 1/10/1980 \_\_\_\_\_

Z. Records of the wipe-test data and results on determination of concentrations of radioactive material present in the working areas were properly maintained. 10 CFR 201(a)  
Yes  \_\_\_\_\_ No \_\_\_\_\_ N/A \_\_\_\_\_

Frequency of Wipe-Test: \_\_\_\_\_ weekly \_\_\_\_\_  
Date of Last Wipe-Test: \_\_\_\_\_ 4/18/1980 \_\_\_\_\_

III. Operating Procedures and Manuals:

1. The institutional radiation safety instruction program for all radiation workers and hospital employees is operational and effective. 10 CFR 19.12  
Yes  \_\_\_\_\_ No \_\_\_\_\_ N/A \_\_\_\_\_

Frequency of Radiation Safety Instruction: \_\_\_\_\_ annually \_\_\_\_\_  
Date of Last Instruction Program: \_\_\_\_\_ March, 1980 \_\_\_\_\_

2. A radiation safety procedures manual is written and copies are made available for the use of all the radiation workers, personnel involved in patient care and others who may handle radioactive material. 10 CFR 19.12  
Yes  \_\_\_\_\_ No \_\_\_\_\_ N/A \_\_\_\_\_

3. Procedures for picking up, receiving and opening of the package containing radioactive material are available and are in routine use. 10 CFR 20.205  
Yes  \_\_\_\_\_ No \_\_\_\_\_ N/A \_\_\_\_\_

4. The Medical Isotope Committee meetings are held at periodic intervals to review the medical isotope program at the institution.

Yes X No \_\_\_\_\_ N/A \_\_\_\_\_

5. The local fire and police officials are informed of the location and nature of radioactive materials in the institution.

Yes X No \_\_\_\_\_ N/A \_\_\_\_\_

Frequency of Familiarization by Fire and Police Officials: annually

Date of Last Visit: November, 1979

IV. Administrative Actions:

1. No items of noncompliance or unsafe conditions were found.

Consultant Radiologic Physicist:

James G. Kereakes, Ph.D.

Signature and Date:

4/24/1980

2. The following items of noncompliance related to each of the above sections were found.

Section I: \_\_\_\_\_

Section II: \_\_\_\_\_

Section III: \_\_\_\_\_

Radiation Protection Officer: \_\_\_\_\_

Signature and Date: \_\_\_\_\_

3. The Radiation Protection Officer has explained and I understand the items of noncompliance listed in Item 2 of this section. The items of noncompliance will be corrected within the next days.

Chairman, Medical Isotope Committee: \_\_\_\_\_

Signature and Date: \_\_\_\_\_

Reviewed by:

*(no items of non-compliance nature noted)*

Richard P. Otha 5/22/80  
Hospital Administrator