

WHEATON COLLEGE

NORTON, MASSACHUSETTS 02766
617/285-7722

May 17, 1988

John E. Glenn, Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

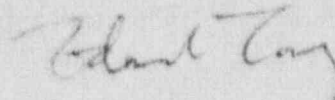
Dear Mr Glenn,

We would like to request an amendment of our license (No 20-12850-02). We have send a letter to Mr John R. White, and he suggested that we should write to you. (Please see enclosed copies of the letters.) Please consider the following three items at your earliest convenience:

- (1) Please authorize the usage of byproduct material in addition to storage.
- (2) We have reviewed the Regulatory Guide 10.8 and updated our package opening procedures. (See Appendix 1).
- (3) We would like to change our original list of licensed users to: Edmund Y. Tong, John C. Kricher, Barbara A Brennessel, Betsy D. Dyer and Trudy A. Villars.

We wish to hear from you soon, and we thank you for your patience.

Sincerely,



Edmund Y. Tong, Ph.D.
Radiation Safety Officer

RECEIVED BY LFMS	
Date	6/16/88
Log	7 I
By	S. Kimberly
Date Completed	6/16/88

FEE EXEMPT
170.116 (4)
(4/19/85 call)

9001190029 8B1112
REG1 LIC30
20-12850-02 PDR

RECEIVED-REGION 1
MAY 32 AM 1:02 1988

"OFFICIAL RECORD COPY" **MLH**

108993
01 JUN 1988

WHEATON
COLLEGE

NORTON, MASSACHUSETTS 02766
617/285-7722

Oct 20, 1987

John R. White, Chief
Nuclear Materials Safety Section C
Division of Radiation Safety
and Safeguards

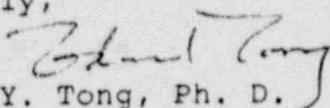
Dear Mr White,

In response to your letter dated April 20, 1987, we sent you a letter on May 20, 1987. However, due to the lack of expertise and some technical difficulties, we have not been ready to respond to you fully until now. We have now done the following:

- (1) We have stopped all usage of byproduct materials in research studies until we are permitted to do so.
- (2) We have sought professional advice from Dr. Victor N. Evdokimoff (see Appendix 1). He taught us how to convert CPM to DPM by first estimating the efficiency using the sealed source and then multiplying the CPM by % efficiency. Thus, we will start to record the results of surveys in DPM when we begin to use byproduct materials again.
- (3) Following the advice by Dr C.T. Oberg during his inspection on March 17, 1987, we have moved the H-3 gas chromatograph and the Ni-63 gas chromatographs to a room behind two locked doors and we will not use them. Thus, we are not required to perform leak tests on them. If we decide to use them again, we will notify you and we will once again perform leak tests every six months.
- (4) We have reviewed the Regulatory Guide 10.8 and updated our package opening procedures. (see Appendix 2).
- (5) With the approval by Dr. C.T. Oberg, we have solved the problem of proper training of our byproduct material users. We purchased two videotapes produced by Radiological Training Services: (A) Fundamentals of Radiation Safety, and (B) Proposed Changes to the NRC's Standards for Protection. Thus, each user is now required to view these two tapes in addition to our existing program. Dr C.T. Oberg thought the combination will provide more than adequate training for our users.
- (6) We would like to change our original list of licensed users to: Edmund Y. Tong, John C. Kricher, Barbara A. Brennessel, Betsy D. Dyer and Trudy A. Villars.

We wish to hear from you soon, and we thank you for your patience.

Sincerely,


Edmund Y. Tong, Ph. D.
Radiation Safety Officer



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406

29 MAR 1988

APR 1 1988
NORTH COLLEGE

Docket No. 030-22305

License No. 20-12850-02

Wheaton College
ATTN: Ruth Schmidt
Provost
East Main Street
Norton, Massachusetts 02766

Gentlemen:

Subject: Inspection No. 87-001

This refers to your letter dated October 20, 1987, in response to our letter dated April 17, 1987.

Thank you for informing us of the corrective and preventive actions documented in your letter. These actions will be examined during a future inspection of your licensed program.

Items (4) and (6) of your letter pertain to amendment of your license. In this regard, such information needs to be submitted as a license amendment request, and directed to the attention of John E. Glenn, Ph.D., of this office.

Your cooperation with us is appreciated.

Sincerely,

John R. White, Chief
Nuclear Materials Safety Section C
Division of Radiation Safety
and Safeguards

cc:
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Massachusetts

Appendix I

AN OUTLINE OF RECOMMENDED PROCEDURES TO BE FOLLOWED WHEN RECEIVING RADIOACTIVE SHIPMENTS.

- (1) Wheson Receiving call the radiation safety officer.
- (2) The radiation safety officer goes to Receiving and use a survey meter to make sure that the radiation dose on the outside of the package is less than 10 millirams/hr at a 3 feet distance.
- (3) Wear plastic gloves to open and inspect packages immediately upon receipt. Wipe test packages for removable contamination and make sure radiation dose is less than 200 milliram/hr.
- (4) Place package in vented hood.
- (5) Open outer package and remove packing slip. Open inner package and verify that the contents agree in name and quantity with the packing slip.
- (6) Measure radiation field of unshielded container - if necessary place container behind shielding to reduce field to allowable limits and proceed with remote handling devices. (HARD BETA and GAMMA ONLY).
- (7) Check for possible breakage of seals or containers, loss of liquid or change in color of packing material.
- (8) Wipe test inner contents and document any pertinent findings on packing slip. Note: The liner, shield and isotope container may have surface contamination; they should be discarded in hot waste disposal containers.
- (9) Record type of activity, quantity present and location of delivery in receiving log.
- (10) If contamination, leakage or shortages are observed, notify the Vendor's Customer Service Department and inform the radiation protection officer immediately.

BETWEEN:
LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
: PROGRAM CODE: 03620
: STATUS CODE: 0
: FEE CATEGORY: EX 3P
: EXP. DATE: 19901230
: FEE COMMENTS: 170.11(A)(4)-4/19/85
:

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: WHEATON COLLEGE
RECEIVED DATE: 880601
DOCKET NO: 3022305
CONTROL NO.: 108993
LICENSE NO.: 20-12850-02
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: 0
CHECK NO.: 0

3. COMMENTS

SIGNED BP
DATE 6/3/88

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-5)

1. FEE CATEGORY AND AMOUNT: EX 3P **FEE EXEMPT**
2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR: 170.11(A)(4)
AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED J. Kimberly
DATE 6/16/88

RECEIVED
JUN -9 AM 2:22