

BOSTON COLLEGE  
CHESTNUT HILL, MASSACHUSETTS 02167-3811

DEPARTMENT OF PHYSICS  
(617) 552-3575

Docket No. 030-17140  
License No. 20-00642-07  
March 7, 1989

Mr. John S. Kinneman, Chief  
Nuclear Materials Safety Section B  
Division of Radiation Safety and Safeguards  
Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

Dear Mr. Kinneman:

This is in response to your letter of February 14, 1989 which reports on the inspection of our facility by Mr. C. T. Oberg on December 15 and 16, 1988.

We regret that we have been found not in full compliance with NRC requirements in several areas. We have initiated the steps outlined below to correct the violations cited in your letter.

Item A.1 We have made arrangements to have all our survey instruments calibrated immediately. In addition we have (a) requested that Mr. N. J. Magliano, University Environmental Safety Engineer, assume responsibility for keeping track of the dates when calibrations are carried out and to alert users when recalibrations are due; (b) Mr. Magliano has further been requested to establish that the calibrations have indeed been carried out in a timely fashion; (c) We have requested that the University purchase additional monitoring instruments so that users will have instruments available to them during the time their instruments are out to be calibrated.

Item A.2 We have reminded all users of byproduct materials of the University regulation forbidding the consumption or storage of foodstuffs in areas where these materials are employed. We have asked the departmental representatives on the Radiation Safety Committee to be more vigilant monitoring their laboratories for this and other violations. We have asked the Radiation Safety Technician to be especially watchful with regard to this matter on her monthly survey rounds.

Item A.3 While the survey procedure cited in this part has always been conducted as part of the routine examination of incoming radioactive materials, there was no place for entering the results on the survey report sheet. The sheet has since been modified to include these items. A copy of the modified document is enclosed herein.

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Item B. We have arranged to conduct an immediate survey of the sources in question and have established a calendar to be kept by the Radiation Safety Officer with a copy to be kept by the Chairman of the Radiation Safety Committee alerting the RSO of the due dates for resurvey.

Item C. The events consequent to this particular oversight seem to be adequate encouragement to avoid ever again failing to record such surveys.

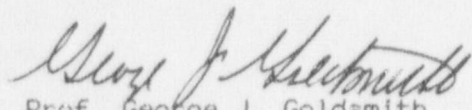
Item D. The labeling of this storage area has been a problem caused by the attachment undergraduates seem to have for the signs which we fasten to the entrances of those areas. Since the room in question has no window in the door, we fasten the signs to the outside of the door by the best means available. Currently, the signs are constructed of aluminum and are both glued and screwed to the door. We have requested of the radiation safety technician that she include checking the door as part of her monthly duties.

Item E. Form NRC-3 and a notice of the content and location of the cited documents have been posted in every area in which byproduct materials are stored or utilized.

We anticipate that all the above procedures will be completed and we shall be in complete compliance on all items no later than 10 April 1989.

I trust this will constitute a satisfactory resolution to these matters. Should you have any questions or require any alteration of the procedures described herein, please contact me directly.

Very truly yours,

  
Prof. George J. Goldsmith  
Radiation Safety Officer

## RADIOISOTOPE SHIPMENT RECEIPT REPORT

1. PO# \_\_\_\_\_ Survey Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Time: \_\_\_\_\_  
Supplier: NEN: \_\_\_\_\_ Surveyer \_\_\_\_\_  
Amersham: \_\_\_\_\_ (PRINT)  
Other: \_\_\_\_\_
2. CONDITION OF PACKAGE:  
Good \_\_\_\_\_ Crushed \_\_\_\_\_ Punctured \_\_\_\_\_  
Wet \_\_\_\_\_ Other (specify) \_\_\_\_\_
3. CONTENTS:  
Isotope: \_\_\_\_\_  
Chemical Form: \_\_\_\_\_  
Quantity: \_\_\_\_\_ (mCi)  
Do vial contents and package slip agree? Yes \_\_\_\_ No \_\_\_\_  
If no, specify nature of difference: \_\_\_\_\_
4. TEST RESULTS:  
a) Test Type: Wipe \_\_\_\_\_ Survey Meter \_\_\_\_\_  
Amounts: a) Backgrounds: Wipe \_\_\_\_\_ CPM GM \_\_\_\_\_ CPM  
b) Outer Container: Wipe \_\_\_\_\_ CPM Surface: \_\_\_\_\_ CPM 1 m: \_\_\_\_\_ CPM  
c) Final Source Container: Wipe \_\_\_\_\_ CPM
5. PACKAGE DELIVERED TO: Dr. \_\_\_\_\_ Dept. of \_\_\_\_\_
6. IF NRC/CARRIER NOTIFICATION IS REQUIRED, GIVE  
Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Time: \_\_\_\_\_ Person Notified: \_\_\_\_\_
7. SIGNATURE OF SURVEYER: \_\_\_\_\_



## CONVERSATION RECORD

11 55 am

DATE 3/30/89

TYPE

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT

WITH YOU Prof. George J. Goldsmith, RSO

ORGANIZATION (Office, dept., bureau, etc.)

Boston College  
Chestnut Hill, MA

TELEPHONE NO.

617-552  
8535

SUBJECT

Response to NOV  
Re Inep 88-001 20-00642-07

SUMMARY

Advise the RSO that the response to NOV Item C was not adequate and should be ~~elaborated~~ more specific. Request that he review the item and RSI will call later for the response.

At ~ 1:50 pm, called the RSO again. Stated he has drafted a new procedure that will provide explicit instructions to persons conducting radiation surveys as follows:

1. A complete record of the survey is to be made and shall include; purpose of the survey; building, room and specific area(s) in the room; instrument used for the survey and most recent calibration date; date and time survey was conducted; and with enough additional comments as necessary to make the survey explicit and understandable. The form(s) are to be <sup>distributed</sup> in sufficient quantity for distribution as outlined in Item 2.

2. Distribution; RSO, Chm of RSC, person(s) requesting the survey(s), and file (Radiation Safety file drawer)

ACTION REQUIRED

Note: A report is required whether or not the survey indicates any measurable <sup>level of</sup> radiation.

This understanding will be noted in MRC Thank You letter

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE

50271-101

U.S. G.P.O. 1983-381-526/8346

CONVERSATION RECORD

OPTIONAL FORM 271 (12-78)  
DEPARTMENT OF DEFENSE