

DEC 20 1985

Docket Nos. 030-02939
030-07056
070-00123

License Nos. 37-00118-07
37-00118-11
SNM-114

University of Pennsylvania
ATTN: Barry S. Cooperman, Ph.D.
Vice Provost for Research
Radiation Safety Office
14th Floor-Blockley Hall/S1
418 Service Drive
Philadelphia, Pennsylvania 19104

Gentlemen:

Subject: Inspection No. 85-01

This refers to the routine safety inspection conducted by Dr. J. Piccone and Mr. F. Costello of this office on October 16, 17, 18, 21 and 25, 1985 of activities authorized by NRC License Nos. 37-00188-07, 37-00118-11 and SNM-114 at the University of Pennsylvania, the Wistar Institute, the Graduate Hospital, the Children's Hospital of Philadelphia, the Hospital of the University of Pennsylvania and the New Bolton Center and to the discussions of our findings held by Dr. Piccone and Mr. Costello with yourself and others of your staff at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and the conditions of your licenses. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, measurements made by the inspector, and observations by the inspector.

Our inspectors also verified the steps you have taken to correct the violations brought to your attention in the enclosure to our letter dated June 20, 1984. We have no further questions regarding the steps you took to correct items I.A, II.B, II.C, and II.D. With regard to item II.A, this item, which involved the inadequate security of licensed material, has recurred.

In addition, our inspectors examined those activities conducted under License No. 37-00118-07 relating to the subjects covered in your letters to Region I dated October 4, 1984 and July 1, 1985. We have no further questions regarding these matters.

Based on the results of this inspection, it appears that certain of your activities were not conducted in full compliance with NRC requirements, as set forth in the Notice of Violation, enclosed herewith as Appendix A. These violations have been categorized by severity level in accordance with the revised

8512270163 851220
REG1 LIC30
37-00118-07 PDR

OFFICIAL RECORD COPY

DL UPA - 0001.0.0
12/16/85

RETURN ORIGINAL TO
REGION I

IE:07

DEC 20 1985

University of Pennsylvania

2

NRC Enforcement Policy (10 CFR 2, Appendix C) published in the Federal Register Notice (49 FR 8583) dated March 8, 1984. You are required to respond to this letter and in preparing your response, you should follow the instructions in Appendix A.

Item 9 described in the attached Notice of Violation, involving security of licensed material, is classified as a Severity Level IV violation. As indicated in Supplement IV of the NRC Enforcement Policy, significant violations of this type are normally classified as Severity Level III. However, after careful consideration of the factors involved in this specific instance, we have exercised our judgement under the NRC Enforcement Policy and have classified this violation as Severity Level IV. Similar violations of this type in the future may result in additional enforcement action.

From the discussion of our findings at the conclusion of the inspection, we understand that you will develop safety recommendations for the use of phosphorus-32 which include guidelines for issuing personnel dosimeters for phosphorus-32 users. Further, we understand that you will continue to provide the resources necessary to maintain continuous iodine-125 hood exhaust monitoring during all iodinations and that you will implement a centralized Radiation Safety training program by January 1, 1986 such that the majority of personnel who use radioactive material will receive this training by June 30, 1986. We also understand that, by December 31, 1985, you will implement the audit program described in your October 24, 1984 letter. You are advised that this audit program should include assuring the proper security of licensed material. In your reply to this letter, please confirm our understandings and describe those actions taken or planned to improve the effectiveness of your phosphorus-32 safety and dosimetry program.

In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the NRC Public Document Room.

Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:
John D. Kinneman

John D. Kinneman, Chief
Nuclear Materials Safety Section A,
Division of Radiation Safety
and Safeguards

Enclosure: Appendix A, Notice of Violation

DEC 20 1985

University of Pennsylvania

3

cc:

Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Pennsylvania

University of Pennsylvania
ATTN John W. Thomas
Radiation Safety Officer
Radiation Safety Office
14th Floor-Blockley Hall/S1
418 Service Drive
Philadelphia, Pennsylvania 19104

bcc:

Region I Docket Room (w/concurrences)
Management Assistant, DRMA (w/o encl)

RI:DRSS *J.M.P.*
Piccone/ca/mjh
12/18/85

Kinneman
RI:DRSS
Costello
12/18/85

Kinneman
RI:DRSS
Kinneman
12/18/85

OFFICIAL RECORD COPY

DL UPA - 0003.0.0
12/16/85