

The
University of Oklahoma at Oklahoma City · Health Sciences Center

College of Pharmacy

March 6, 1981

Chairman
Nuclear Regulatory Commission
Washington, DC 20555

FREEDOM OF INFORMATION
ACT REQUEST

FOIA-81-100
Rec'd 3-16-81

Dear Mr. Chairman:

Under the provisions of the Freedom of Information Act, 5-USC-552, I am requesting access to the following:

1. Inspection reports of nuclear pharmacies under license category 02500 for the years 1979 and 1980.
2. Copies of any PNO (Preliminary Notification Reports) involving any incidences occurring with licensees licensed under 02500 for the years 1979 and 1980.

I am requesting this information so that I might technically analyze the rate of noncompliance by nuclear pharmacies from a statistical consideration and to develop a paper that, with time, will identify the parameters that effect the incidence noncompliance rate.

As you know the act permits you to reduce or waive fees when the use of the information is considered as "primarily benefiting the public." I believe that this request fits that category and therefore ask you to waive any fees.

If all or any part of this request is denied, please site the specific exemptions which you think justify your refusal to release the information and inform me of the appeal procedures available to me under the law.

I would appreciate your handling this request as quickly as possible and I'll look forward to hearing from you within 10 days as the law stipulates.

Sincerely,

Rodney D. Ice, Ph.D.
Dean
Certified Health Physicist

810.4200222

RDI/smg

PRELIMINARY NOTIFICATION

Date: December 16, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-231 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Mallinckrodt, Inc.
St. Louis, MO
License No. 24-04206-01

SUBJECT: REPORT ON LOST SHIPMENT OF RADIOACTIVE MATERIAL:
3 CURIE TECHNETIUM GENERATOR

Region III (Chicago) was informed that a 3 Curie technetium generator was reported missing on December 7, 1980, by Mercury Delivery Service in Houston, Texas. The licensee "Line-Haul" vehicle, Associated Couriers, Inc., was to have transported the package from St. Louis, Missouri to Houston, Texas where Mercury Delivery Service was to pick it up and deliver it to the University of Texas Medical Branch in Galveston. Mercury Delivery Service received the paperwork but not the package.

The licensee contracts with two companies (carriers) that deliver to Illinois, New York, Florida and Texas. Typically at the multiple delivery points in each state a local carrier makes deliveries to local hospitals. The two companies and all local carriers have been contacted but the package has not been located.

No other customers of the licensee have reported receiving an extra package or generator. Also, the licensee has checked their receipts of returned generators and the lost unit has not been located.

The generator was packaged in a 16 x 16 x 16 inch box lined with styrafoam. The package was properly labeled. The surface of the package measured approximately 75 mR/hr. According to the licensee, as of 8:00 p.m. on December 15, 1980, the generator will contain a total of 240 millicuries of activity.

There is no significant hazard to the public unless the package is opened and the technetium generator is disassembled. Disassembling the generator would result in an external radiation hazard and an internal hazard if the material is ingested, which is unlikely.

There has been no media interest thus far and the licensee does not plan to make a press release. Region III will make a press release.

POOR ORIGINAL

PRELIMINARY NOTIFICATION

Supp of 8103031009 (2pp)

PRELIMINARY NOTIFICATION

PN0-III-80-231

Page 2 of 2

POOR ORIGINAL

The State of Missouri and RIV will be notified by Region III.

Region III received initial notification of this occurrence by telephone from the licensee at 3:50 p.m. (CST) on December 15, 1980. This information is current as of 9:20 a.m. on December 16, 1980.

Contact: C. T. Oberg, RIII 384-2512
A. B. Davis, RIII 384-2510

W. H. Schultz, RIII 384-2515

Distribution: Transmitted H St. _____
Chairman Ahearne Commissioner Hendrie
Commissioner Gilinsky Commissioner Bradford
ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB _____
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
C. W. Kerr, OSP
H. K. Shapar, ELD

P. Bldg. _____
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

IE:XOOS _____ (IE:HQ Dist.)
Landow _____ (6 min/page)
J. J. Cummings, OIA

MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LPDR)

Regional Offices _____

Willste Bldg. _____
J. G. Davis, NMSS
T. E. Murley, RES

S. Ebbin, Executive Director
Nuclear Safety Oversight Committee
1133 15th Street NW, Suite 307
Washington, DC 20005

PRELIMINARY NOTIFICATION

PRELIMINARY NOTIFICATION

Date: November 12, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-212 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Minnesota Mining and Manufacturing Co. (3M)
St. Paul, Minnesota
License No. 22-00057-06

Subject: REPORT ON CESIUM-137 SEALED SOURCES APPARENTLY LOST IN
INTERNATIONAL SHIPMENT TO KOREA DURING FEBRUARY 1979

Region III was informed that a package containing ten 12.5 millicurie cesium-137 sealed sources (hyman applicator capsules), properly packaged, was shipped from the 3M Distribution Center in St. Paul, Minnesota in February, 1979, to Seoul, Korea (University of Korea) by Flying Tigers Airlines. In September, 1979, 3M was notified that the package had not been received.

The material has been traced by 3M to no avail. They have checked with their agencies and others in foreign offices to verify the package has not been received somewhere else. They have also checked with their agencies in Korea to verify the University did not receive the package. The American Health Facility International Agency has also checked into the loss in an attempt to locate the package.

The capsules were contained in a sealed lead pipe shield, held in a plywood frame in the center of a DOT, 7A package. Radiation levels from the package were 1.8 mR/hr at three feet and 16 mR/hr on contact.

Because the licensee believes the unopened package is somewhere within the transportation system, they do not believe it constitutes a significant hazard and therefore did not report the package to be missing before now.

The licensee is forwarding a letter to RIII documenting the loss and the details associated with it.

Preliminary estimates by RIII indicate that a significant radiation level of about 64 R/minute (3,840 R/hr) could be received from these capsules if removed from the lead shield.

POOR ORIGINAL

PRELIMINARY NOTIFICATION

Dupl of 814224734 (PP)

PRELIMINARY NOTIFICATION

PNO-III-80- 212

Page 2 of 2

POOR ORIGINAL

There has been no media interest. The licensee does not plan a press release. Region III (Chicago) plans a press release in Minneapolis area to alert citizens in the event the material was lost there.

The State of Minnesota and the NRC Office of International Programs are being notified.

Region III received initial notification of this occurrence by telephone from the licensee's Radiation Safety Officer at 8:40 a.m. (CST) on November 12, 1980. This information is current as of 11:15 a.m. (CST), November 12, 1980.

Contact: C. T. Oberg, RIII 384-2512

W. H. Schultz, RIII 384-2515

Distribution: Transmitted H St.
Chairman Ahearne
Commissioner Gilinsky

Commissioner Hendrie
Commissioner Bradford
ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB _____
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
G. W. Kerr, OSP
H. K. Shapar, ELD

P. Bldg. _____
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

IE:XOOS _____ (IE:HQ Dist.)

Landow _____ (6 min/page)
J. J. Cummings, OIA

MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LPDF)

Regional Offices _____

Willste Bldg. _____
J. G. Davis, NMSS
T. E. Murley, RES

S. Ebbin, Executive Director
Nuclear Safety Oversight Committee
1133 15th Street NW, Suite 307
Washington, DC 20005

PRELIMINARY NOTIFICATION

PRELIMINARY NOTIFICATION

Date: November 12, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80- 211 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Mallinckrodt, Inc.
St. Louis, MO
License No. 24-04206-03G

POOR ORIGINAL

SUBJECT: LOST PACKAGE CONTAINING 8 MILLICURIES I-131

Region III (Chicago) was informed November 10, 1980 that a package containing 8 millicuries of I-131 capsules has been lost in transit by American Airlines. The package was sent from Lambert Field, St. Louis, MO on October 5, 1980, and has not yet been received at Logan Airport, Boston, Mass. The licensee has placed a tracer on the shipment and is in contact with the intended recipients.

If all 8 millicuries had been ingested at the time of shipment, a dose of 16,000 rad to the thyroid could be expected. The exposure rate from the capsules, if removed from their lead shielding, would have been approximately 1.4 R/hr at one inch. At the time of this notification, the material would have decayed to approximately 0.3 millicuries, and the thyroid dose could be expected to be 600 rad if ingested. At this time, the exposure rate (unshielded) would be approximately 58 mR/hr at one inch.

Region I and the State of Missouri have been notified. The licensee does not plan a press release at this time. RIII will continue to monitor the tracer operation. This information was reported to Region III by the licensee and is current as of 10:45 a.m.

PRELIMINARY NOTIFICATION

Copy of 2102206731 (2 pp)

PRELIMINARY NOTIFICATION

PNO-III-80-211

Page 2 of 2

POOR ORIGINAL

Contact: R. E. Burgin, RIII, 384-2527; A. B. Davis, RIII, 384-2510.

Distribution: Chairman Ahearne
Commissioner Gilinsky

Transmitted H St. 11:55

Commissioner Hendrie
Commissioner Bradford
ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB _____
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
G. W. Kerr, OSP
H. K. Shapar, ELD

P. Bldg. _____
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

IE:XOOS _____ (IE:HQ Dist.)

Landow _____ (6 min/page)
J. J. Cummings, OIA

MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LPDF)

Regional Offices _____

Willste Bldg. _____
J. G. Davis, NMSS
T. E. Murley, RES

S. Ebbin, Executive Director
Nuclear Safety Oversight Committee
1133 15th Street NW, Suite 307
Washington, DC 20005

PRELIMINARY NOTIFICATION

Date: August 7, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-146

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Licensee: .Abbott Laboratories
North Chicago, IL
License No. 12-00621-03

Subject: LEAKING RIA KIT AT PUROLATOR TERMINAL IN MILWAUKEE, WI

Region III (Chicago) was informed that a RIA kit containing 3 microcuries of iodine-125 had leaked over several packages in a Purolator truck at the Purolator terminal in Milwaukee, Wisconsin late last night. The licensee and the State of Wisconsin are responding.

Because of the small quantity of material involved, the potential for an exposure in excess of 10 CFR 20 limits is slight.

No press interest is expected and the NRC plans no press release. The State of Wisconsin has been notified.

Region III received initial notification of this incident in a telephone call from a manager of the Purolator facility at 7:30 a.m. on August 7, 1980. A Region III inspector will be in Milwaukee by mid-morning and will go to the site if necessary.

Contact: N. Nicholson, RIII, 384-2525; C. J. Paperiello, RIII, 384-2511.

| | | |
|-------------------------------|-------------------------------|-----------------------------------|
| Distribution: | Transmitted H St. <u>9:52</u> | |
| Chairman Ahearne | Commissioner Hendrie | S. J. Chilk, SECY |
| Commissioner Gilinsky | Commissioner Bradford | C. C. Kammerer, CA |
| Commissioner Kennedy | ACRS | (For Distribution) |
| Transmitted: MNBB <u>9:57</u> | P. Bldg. <u>9:54</u> | IE:XOOS <u>9:50</u> (IE:HQ Dist.) |
| W. J. Dircks, EDO | H. R. Denton, NRR | Landow _____ (6 min/page) |
| C. Michelson, AEOD | R. H. Vollmer, NRR | J. J. Cummings, OIA |
| J. J. Fouchard, PA | R. J. Mattson, NRR | |
| N. M. Haller, MPA | D. F. Ross, NRR | MAIL |
| R. G. Ryan, OSP | D. Eisenhut, NRR | R. Minogue, SD |
| H. K. Shapar, ELD | S. H. Hanauer | IE:XOOS |
| | Willste Bldg. <u>10:08</u> | Document Mgt. Br. (For PDR/LF) |
| | J. G. Davis, NMSS | |
| Regional Offices _____ | R. J. Budnitz, RES | |

PRELIMINARY NOTIFICATION

Dupe of 8010030533 (1pg)

Date: July 29, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-141 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Pharmatopes
Oak Park, MI
License No. 21-17189-01MD

SUBJECT: LOST 100 MILLICURIE TECHNETIUM-99m SOURCE

Region III (Chicago) was informed that a 100 millicurie dose of Tc-99m in a 4 inch high by 2 inch lead container was lost in the parking lot of the Detroit Central Hospital. A delivery driver for Pharmatopes attempted to deliver the dose and found the Nuclear Medicine Department closed. The driver returned to the car, placed the container with the dose on the bumper of the car and dropped the car keys on the ground. The driver picked up the keys and drove away, forgetting the container on the bumper. The driver did not report the loss for several hours because of fear of the consequence.

The material presents no hazard as long as it remains in the shielded container. Because of the six hour half life of Tc-99m, the material will have decayed almost completely away in 2-3 days. A hazard would result only if the vial were removed from the shield and held in contact with the skin. In this case a total contact dose as high as about 40 Rems could result with an average whole body exposure of about 300 millirems. The exposure would be in excess of 10 CFR 20.105 limits but not high enough to produce a detectable biological effect.

The local police, hospital security and the State of Michigan have been informed. On the Region's recommendation, the licensee will issue a press release. Region III does not plan a press release at this time.

Continued Page 2

Dupe of 8010060042 (2pp)

PRELIMINARY NOTIFICATION

PNO-III-80-141

Page 2 of 2

Region III received notification of this occurrence by telephone from the facility manager at 3:25 p.m. (CDT) on July 29, 1980. The Headquarters Duty Officer was notified at 3:55 p.m. (CDT).

Contact: C. J. Paperiello, RIII, 384-2511; A. B. Davis, RIII, 384-2510.

Distribution:
Chairman Ahearne
Commissioner Gilinsky
Commissioner Kennedy

Transmitted H St. 4:25
Commissioner Hendrie
Commissioner Bradford
ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB 4:29
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shapar, ELD

P. Bldg. 4:31
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

IE:XOOS 4:20 (IE:HQ Dist.
~~Landow~~ (6 min/page)
~~J. J. Cummings, OIA~~

MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LPI)

Willste Bldg. 4:35
J. G. Davis, NMSS
R. J. Budnitz, RES

Regional Offices 4:50

I 4:39
II 4:44
IV 4:47
V 4:50

PRELIMINARY NOTIFICATION

Date: July 23, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80- 136 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Nuclear Pharmacy, Inc.
Chicago, Illinois

Subject: ABANDONED RADIOACTIVE MATERIAL

An abandoned automobile, with a package identified as containing radioactive material on the floor of the back seat, was discovered by the Worth, Illinois (a Chicago suburb) Police Department on July 22, 1980. The police had the automobile towed to Terry's Auto Body Shop in Chicago Ridge, Illinois.

The package, described by police officer Bilek to a Region III (Chicago) representative, is a delivery case used by Nuclear Pharmacy to deliver radiopharmaceuticals to hospitals. The automobile and package were stored overnight in a fenced, locked area, which is guarded by a watch dog at Terry's Auto Body Shop.

The police notified the licensee who claimed no radioactive material was missing.

Region III advised the police and auto body personnel to keep the automobile in locked storage and isolated. Region III will retrieve the package this morning (July 23, 1980), make appropriate disposition of it, take appropriate action with the licensee, and request police assistance in determining who abandoned the vehicle.

There has been no known media or public interest. No press release is planned by Region III.

PRELIMINARY NOTIFICATION

Dupe of 8449484248 (2pp)

PRELIMINARY NOTIFICATION

PNO-III-80- 136

Page 2 of 2

Region III received notification of this occurrence by telephone from the IE Headquarters Duty Officer at 8:30 p.m. (CDT) on July 22, 1980. The Headquarters Duty Officer was notified by Officer Bilek of the Worth, Illinois Police Department at 8:10 p.m. (CDT)

Contact: A. B. Davis, RIII 384-2510

Distribution: Transmitted H St. 8^{aw}
Chairman Ahearne Commissioner Hendrie
Commissioner Gilinsky Commissioner Bradford
Commissioner Kennedy ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB 8^{aw}
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shapar, ELD

P. Bldg. 8^{aw}
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

IE:XOOS 8^{aw} (IE:HQ Dist.)
Landow _____ (6 min/page)
J. J. Cummings, OIA

MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LPDF)

Regional Offices RI 8^{aw}
R:II 8^{aw}
R:III 8^{aw}
R:IV 8^{aw}

Willste Bldg. 8^{aw}
J. G. Davis, NMSS
R. J. Budnitz, RES

Date: July 16, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80- 133 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Pharmatopes, Incorporated
Chicago, IL
License No. 12-19333-01MD

SUBJECT: REPORT ON POSSIBLE THEFT OF BYPRODUCT MATERIAL FROM A HOSPITAL

Region III (Chicago) was informed today that byproduct material delivered to a hospital between 6:00 and 6:30 a.m. on July 16, 1980, was inadvertently taken from the premises between the time of delivery and 7:55 a.m.

The Manager of Pharmatopes Incorporated notified RIII that a five inch deep, Samsonite type briefcase, containing approximately 90 millicuries of technetium-99m (in four syringes) and about 14 microcuries of iodine-131 (in a diagnostic capsule), each individually shielded, were delivered to a hospital in Winfield, IL. When hospital personnel subsequently opened the briefcase, they discovered that it contained only day-old, used syringes. This hospital was not able to contact and inform the licensee until approximately 7:55 a.m. on July 16, 1980, because telephone service had been interrupted by a storm.

The quantities of materials involved would provide four diagnostic examinations using technetium-99m and one using iodine-131. Injection/inhalation of this technetium would result in a dose of about 1.5 rems to the whole body and about 7 rems to the lungs. Ingestion of the iodine-131 would result in a dose of 26 rems to the thyroid.

Pharmatopes Incorporated suspects that the briefcase was inadvertently taken by another nuclear pharmacy firm whose delivery personnel may have made an exchange of the briefcases in error. The hospital had recently changed nuclear pharmacy suppliers. The licensee also believes the material will turn up at or by a local law enforcement agency. Region III was informed that the Pharmatopes Incorporated delivery service made a stop at another hospital prior to the hospital in Winfield, IL.

Region III has dispatched personnel to the hospital to investigate this occurrence and to meet with hospital personnel and a representative from Pharmatopes Incorporated.

Continued on Page 2

PRELIMINARY NOTIFICATION

Dupe of 80106071 (2pp)

PRELIMINARY NOTIFICATION

PNO-III-80- 133

Page 2 of 2

There has been no media interest; neither the licensee or Region III plans a press release at this time.

Region III will continue to follow this situation.

The Illinois Department of Public Health, Division of Radiological Health, has been notified.

Region III received initial notification of this occurrence by telephone from the licensee at 8:20 a.m. (CST) on July 16, 1980. This information is current as of 9:30 a.m. on July 16, 1980.

Contact: C. T. Oberg, RIII, 384-2512; W. H. Schultz, RIII, 384-2515;
L. W. Shatterly, RIII, 384-2514; R. Burton, RIII, 384-2686;
A. B. Davis, RIII, 384-2510.

Distribution: Transmitted H St. 12:07
Chairman Ahearne Commissioner Hendrie
Commissioner Gilinsky Commissioner Bradford
Commissioner Kennedy ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB 12:17
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shapar, ELD

P. Bldg. 12:20
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

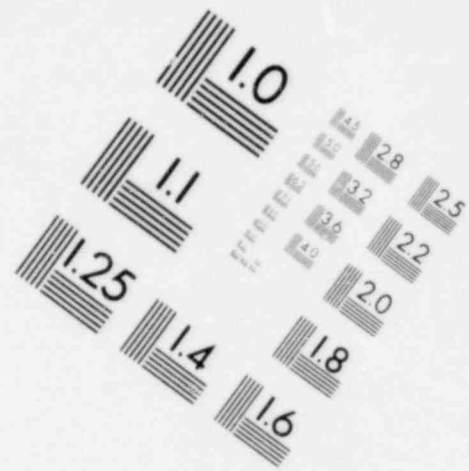
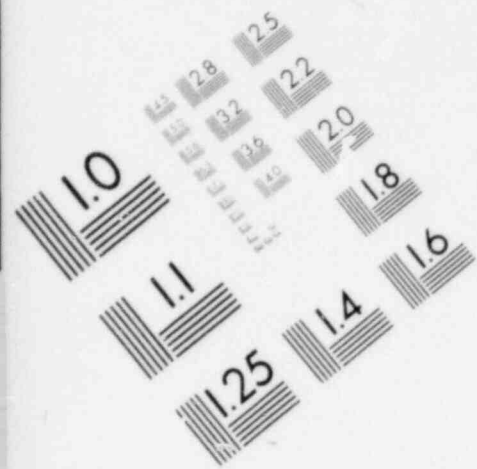
IE:XOOS 12:07 (IE:HQ Dist.
Landow _____ (6 min/page)
J. J. Cummings, OIA

Regional Offices 12:45

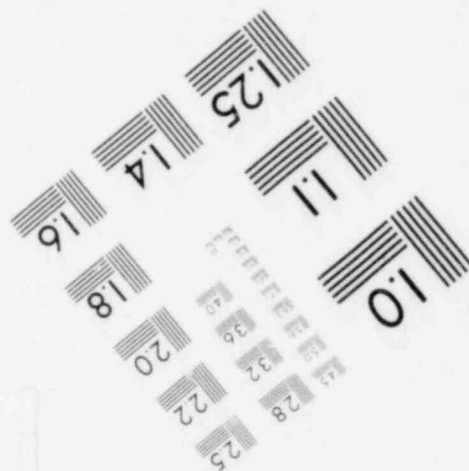
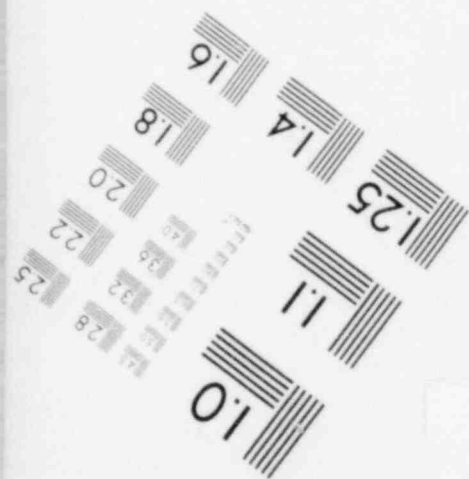
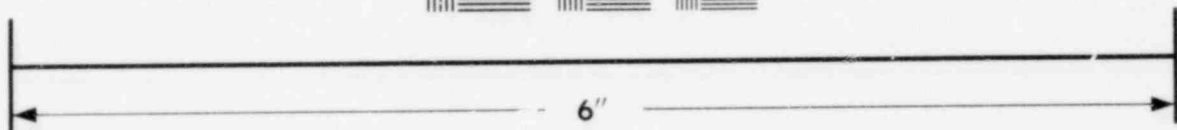
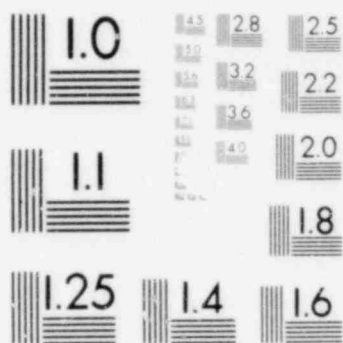
Willste Bldg. 12:23
J. G. Davis, NMSS
R. J. Budnitz, RES

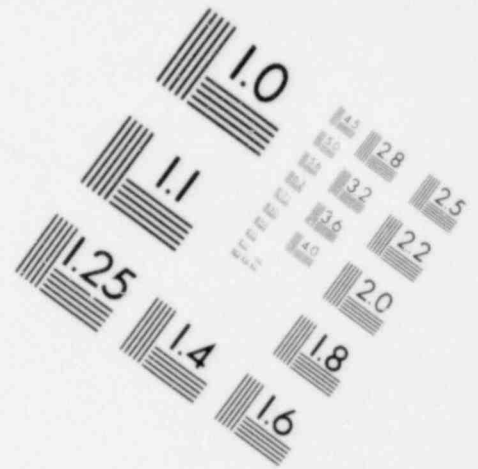
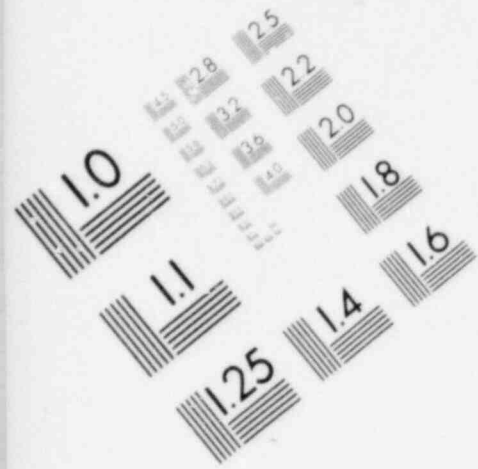
MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LP

PRELIMINARY NOTIFICATION

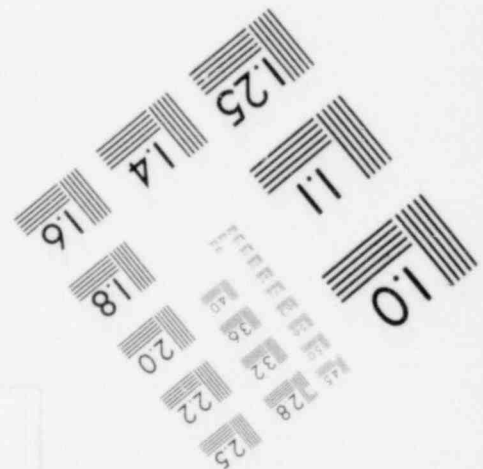
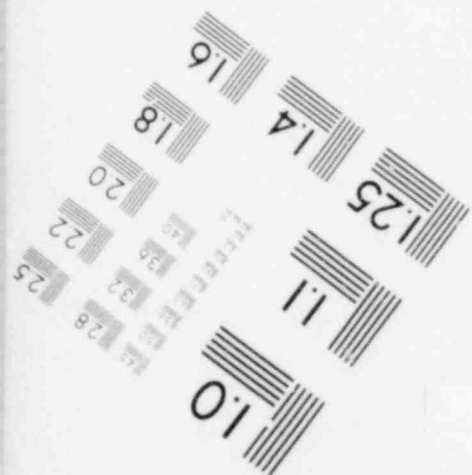
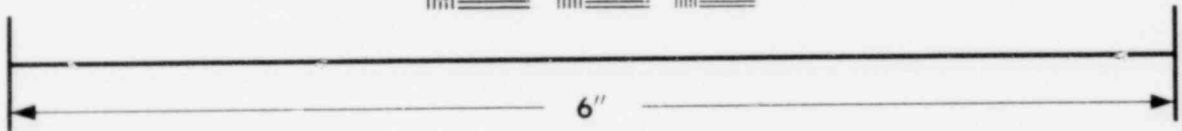
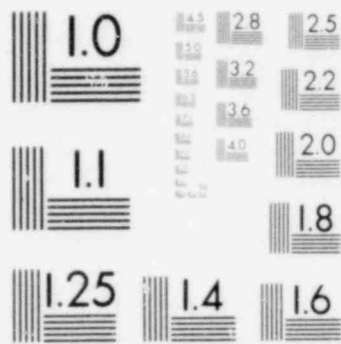


**IMAGE EVALUATION
TEST TARGET (MT-3)**





**IMAGE EVALUATION
TEST TARGET (MT-3)**



PRELIMINARY NOTIFICATION

X005

Date: July 16, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-132 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Pharmatopes Inc.
Akron, OH
License No. 34-19008-01MD

SUBJECT: REPORT OF ACCIDENT OF VEHICLE CARRYING BYPRODUCT MATERIAL

Region III (Chicago) was informed on July 15, 1980 that a Pharmatopes van transporting two attache cases containing used technetium-99m syringes and a syringe containing 5 millicuries of technetium-99m Human Albumin Microspheres, was involved in a collision with another vehicle in Massillon, OH (approximately 15 miles south of Akron, OH) on July 15, 1980. The attache cases were thrown out of the van by an ambulance driver when he assisted the injured Pharmatopes, Inc. driver.

The Chief from Perry Township Fire Department and a nuclear medicine technologist from Doctors Hospital in Massillon, OH responded to the accident. The syringes had fallen out of the attache cases; however, each syringe was in a lead shielded container. The lead shielded containers were intact. Shielded syringe containers were placed in attache cases and secured in the hot laboratory of the nuclear medicine department at Doctors Hospital in Massillon, OH.

G.M. surveys and wipe tests were performed by the nuclear medicine technologist from Doctors Hospital, and no apparent contamination was found on the attache cases. G.M. surveys also indicated no apparent contamination was found on the van or the driver.

A representative from the Ohio Disaster Services Agency was sent to the scene of the accident and he accepted the assessment performed by the hospital.

No press interest was noted. Neither the licensee nor Region III plans a press release.

This Preliminary Notification is issued for information only and no further action by IE is anticipated.

Continued on page 2

Dupe of 8010060038 (2pp)

PRELIMINARY NOTIFICATION

PNO-III-80- 132

Page 2 of 2

Region III received notification of this occurrence by telephone from the Department of Energy Radiological Assistance Team at 3:00 p.m. (central time), July 15, 1980. Region III discussed the matter with the State of Ohio and Doctors Hospital personnel on July 15 and 16. This information is current as of 9:30 a.m. (central time), July 16, 1980.

Contact: W. P. Reichhold, Region III, 932-2529; A. B. Davis, Region III, 932-2510.

Distribution: Transmitted H St. 10:49
 Chairman Ahearne Commissioner Hendrie
 Commissioner Gilinsky Commissioner Bradford
 Commissioner Kennedy ACRS

S. J. Chilk, SECY
 C. C. Kammerer, CA
 (For Distribution)

Transmitted: MNBB 10:56
 W. J. Dircks, EDO
 C. Michelson, AEOD
 J. J. Fouchard, PA
 N. M. Haller, MPA
 R. G. Ryan, OSP
 H. K. Shapar, ELD

P. Bldg. 10:52
 H. R. Denton, NRR
 R. H. Vollmer, NRR
 R. J. Mattson, NRR
 D. F. Ross, NRR
 D. Eisenhut, NRR
 S. H. Hanauer

IE:XOOS 10:44 (IE:HQ Dist.
 Landow _____ (6 min/page)
 J. J. Cummings, OIA

MAIL
 R. Minogue, SD
 IE:XOOS
 Document Mgt. Br. (For PDR/LP)

Regional Offices 11:15
 Willste Bldg. 10:59
 J. G. Davis, NMSS
 R. J. Budnitz, RES

PRELIMINARY NOTIFICATION

PRELIMINARY NOTIFICATION

X005

Date: July 8, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-129 Page 1 of 2

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Mallinckrodt, Inc.
St. Louis, MO
License No. 24-04206-01

SUBJECT: TWO CASES MARKED RADIOACTIVE MATERIAL PURCHASED AT AN ESTATE SALE

Region III (Chicago) was contacted by an individual in St. Louis, Missouri today who stated that she had purchased two cases of bottles at an estate sale. After making the purchase she found that the cases and bottles were marked "Radioactive Material - Mallinckrodt Nuclear (RUS Site)."

On being questioned by the NRC the individual stated that some of the bottles were apparently marked T-4 with a date of August, 1975. The individual could not furnish sufficient information to identify the radionuclide that might be involved.

When a representative of the Region contacted the licensee, he was told that the licensee had already been contacted by the individual and had dispatched a health physicist to the address where the bottles were located. The licensee later informed the Region that the individual had a T-3 and a T-4 in-vitro testing kit. These kits had contained about 10 microcuries each of iodine-125. They were five years old and assays conducted today showed that no radioactive material was present.

Iodine-125 has a half-life of 60 days and emits soft x-rays. The material represents no external hazard. It is an internal hazard if ingested. The vials were intact and still contained liquid. Even if someone had acquired the kits immediately after production, no exposure would have resulted.

There is considerable media coverage. The individual had called not only the NRC and the licensee but also the news media and hospitals in the area. Neither the NRC nor the licensee plans a press release but will answer questions from the media. The State of Missouri has been notified.

Continued on Page 2 . . .

PRELIMINARY NOTIFICATION

Dupe of 800903041 (2pp)

PRELIMINARY NOTIFICATION

PNO-III-80-129

Page 2 of 2

Region III received notification of this occurrence by telephone from the individual who had the bottles at 11:00 a.m. (CDT), July 8, 1980. Region III received additional information including the fact of media interest by telephone from Mallinckrodt's Radiation Safety Officer at 2:15 p.m. (CDT) July 8, 1980.

An NRC inspector in the area is investigating.

Contact: C. J. Paperiello, RIII, 384-2511; A. B. Davis, RIII, 384-2510.

| | | | |
|-------------------------|---------------------|-----------------------|-----------------------------------|
| Distribution: | Transmitted | H St. <u>3:12</u> | |
| Chairman Ahearne | | Commissioner Hendrie | S. J. Chilk, SECY |
| Commissioner Gilinsky | | Commissioner Bradford | C. C. Kammerer, CA |
| Commissioner Kennedy | | ACRS | (For Distribution) |
| Transmitted: MNBB _____ | P. Bldg. _____ | | IE:XOOS <u>3:07</u> (IE:HQ Dist.) |
| W. J. Dircks, EDO | H. R. Denton, NRR | | Landow _____ (6 min/page) |
| C. Michelson, AEOD | R. H. Vollmer, NRR | | J. J. Cummings, OIA |
| J. J. Fouchard, PA | R. J. Mattson, NRR | | MAIL |
| N. M. Haller, MPA | D. F. Ross, NRR | | R. Minogue, SD |
| R. G. Ryan, OSP | D. Eisenhut, NRR | | IE:XOOS |
| H. K. Shapar, ELD | S. H. Hanauer | | Document Mgt. Br. (For PDR/LPD) |
| Regional Offices _____ | Willste Bldg. _____ | | |
| | J. G. Davis, NMSS | | |
| | R. J. Budnitz, RES | | |

Date: June 30, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80-121

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Mallinckrodt, Inc.
St. Louis, MO
License No. 24-04206-06MD

Subject: TRANSPORTATION ACCIDENT INVOLVING RADIOACTIVE MATERIAL IN TOLEDO, OH

A Purolator van containing a 250 mCi Mo-Tc^{99m} generator was involved in a rear end collision and fire at 11:40 p.m. June 29, 1980. Joe Windham, Ph.D., the RSO at Medical College of Ohio, and Mr. Charles Allen, Chief, Nuclear Medicine Technologist at St. Luke's Hospital in Maumee, Ohio, responded to the accident, made surveys and secured the burned generator and debris in a 55 gallon drum which was transferred for storage to the Medical College of Ohio at Toledo. No radioactive contamination of personnel resulted from this incident; however, minor contamination of the truck bed did occur.

Region III (Chicago) will continue to follow up on this incident.

There has been media interest. No press release is planned by Region III, but we will respond to inquiries.

NRC, Region III has notified the Ohio Disaster Services Agency. The Toledo Department of Public Health has been notified.

Region III received notification of this incident by telephone at 1:15 a.m. CDT June 30, 1980. This information is current as of 11:30 a.m. CDT, June 30, 1980.

Contact: D. G. Wiedeman, RIII, 384-2516 J. A. Pagliaro, RIII, 384-2518

Distribution: Transmitted H St. 11:50
Chairman Ahearne Commissioner Hendrie
Commissioner Gilinsky Commissioner Bradford
Commissioner Kennedy ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB 11:55
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shapar, ELD

P. Bldg. 11:53
H. R. Denton, NRR
R. H. Vollmer, NRR
R. J. Mattson, NRR
D. F. Ross, NRR
D. Eisenhut, NRR
S. H. Hanauer

IE:XOOS 11:47 (IE:HQ Dist.
Landow _____ (6 min/page)
J. J. Cummings, OIA

MAIL
R. Minogue, SD
IE:XOOS
Document Mgt. Br. (For PDR/LF

Regional Offices _____
Willste Bldg. 11:58
J. G. Davis, NMSS
R. J. Budnitz, RES

PRELIMINARY NOTIFICATION

*Dupe of
504806265*

X005

Date: June 5, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURENCE--PNO-III-80- 110

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Licensee: Abbott Laboratories
North Chicago, IL
License No. 12-00621-08G

EVENT: PACKAGE CONTAINING ONE MICROCURIE OF IODINE-125 CRUSHED AT O'HARE AIRPORT

Region III (Chicago) was informed that a package containing one microcurie of iodine-125 in a radioimmunoassay kit was crushed at the Northwest Airlines freight terminal at the O'Hare Airport during the evening of June 4, 1980. The package being shipped by Abbott Laboratories was part of a shipment of four pieces, the others being undamaged.

About six vials were crushed and liquid got on the hands and face of one individual and the leg and hands of another. The initial report indicated that a larger quantity of radioactive material was involved and the individuals and the area were contaminated.

Region III inspectors, the State of Illinois officials and Abbott Laboratories responded to the incident. The area was cleaned and no activity was detected in the area or on the individuals' skin. Apparently vials with nonradioactive material were crushed.

Media interest is not expected.

Region III was notified of the incident at 10:10 p.m. CDT on June 4, 1980, by the Headquarters Duty Officer. No further action is planned.

Contact: C. J. Paperiello, RIII, 384-2511; A. B. Davis, RIII, 384-2500.

| | | |
|---|---------------------------------|-----------------------------------|
| Distribution: | Transmitted H St. <u>8:58</u> ✓ | |
| Chairman Ahearne | Commissioner Hendrie | S. J. Chilk, SECY |
| Commissioner Gilinsky | Commissioner Bradford | C. C. Kammerer, CA |
| Commissioner Kennedy | | (For Distribution) |
| Transmitted: MNBB <u>9:15</u> (B-11) P. Bldg. | | IE:XOOS <u>8:56</u> (IE:HQ Dist.) |
| W. J. Dircks, EDO | H. R. Denton, NRR | Landow _____ (6 min/page) |
| C. Michelson, AEOD | R. H. Vollmer, NRR | J. J. Cummings, OIA |
| J. J. Fouchard, PA | R. J. Mattson, NRR | |
| N. M. Haller, MPA | D. F. Ross, NRR | MAIL |
| R. G. Ryan, OSP | D. Eisenhut, NRR | R. Minogue, SD |
| H. K. Shapar, ELD | S. H. Hanauer | IE:XOOS |
| | Willste Bldg. <u>9:00</u> ✓ | Document Mgt. Br. (For PDR/LPD) |
| | J. G. Davis, NMSS | |
| | R. J. Budnitz, RES | |
| Regional Offices _____ | | |

PI 9:12 ✓
PII 9:05 ✓
PIII 9:08 ✓
PIV 9:10 ✓

PRELIMINARY NOTIFICATION

Dupe of 8410220463 (1pg)

PRELIMINARY NOTIFICATION

Date: 4/17/80

X005

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-80-71

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

FACILITY: Mallinckrodt, Inc.
St. Louis, MO
License No. 24-04206-03G

SUBJECT: LOST CONTAINER WITH 250 MICROCURIES OF Cr-51

Region III (Chicago) was informed that at 11:30 p.m. (C.S.T.), April 16, 1980, a package from Mallinckrodt, Inc. was lost in the Minneapolis-St. Paul area. The package was part of a shipment to be delivered by Purolator Corp. The delivery truck had been driven 2 - 3 miles from the Purolator terminal, when the driver noticed the rear door of the van ajar. The driver stopped, inventoried all packages, and found the Mallinckrodt package missing. The package was triangular in shape and measured 4" x 4" x 6.5" and contained 250 microcuries of Cr-51.

If the contents of the container were completely ingested, the resultant whole body dose would be about one mrem and the target organ (intestine) dose would be 300 mrem. Both figures are well below 10 CFR Part 20 limits.

The state and local police have been notified and are conducting a search. The possibility exists that the package is still at the Purolator terminal and a search is also being conducted of that facility by Purolator personnel.

The State of Minnesota Department of Health has been contacted and asked to assist in the search for the material. The U. S. Department of Transportation has been notified and is sending representatives.

Region III is following the progress of the search.

No press release has been made as of this date by either the licensee or this office. A press release will be made by Region III if the material is not located.

Continued ...

(change PDR)

Dupe of 8005136847 (4pp)

Region III received initial notification by telephone from Mallinckrodt, Inc. at 10:30 a.m., April 17, 1980. The information is current as of 12:15 p.m. April 17, 1980.

Contact: B. Adam, 384-2528
Prepared by

A. B. Davis, 384-2510
Branch Chief

Distribution: Transmitted H St 1:50 p
Chairman Ahearne Commissioner Hendrie
Commissioner Gilinsky Commissioner Bradford
Commissioner Kennedy ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB 1:53 p ✓ P. Bldg 2:45 p ✓
W. J. Dircks, EDO H. R. Denton, NRR
C. Michelson, AEOD D. R. Muller, NRR
J. J. Fouchard, PA R. J. Mattson, NRR
N. M. Haller, MPA D. Vassallo, NRR
R. C. Ryan, OSP D. Eisenhut, NRR
H. K. Shapar, ELD SS Bldg 1:54 p ✓
J. G. Davis, NISS
R. J. Budnitz, RES

IE:XOOS 1:40 ✓ (IE:HQ Dist.)

Landow _____ (6 min/page)
J. J. Cummings, OIA

(MAIL)
R. Minogue, SD
IE:XOOS

RI - 2:00 p ✓
RII - 2:10 p ✓
RIII - 2:12 p ✓
RIV - 2:15 p ✓

PRELIMINARY NOTIFICATION

Date: April 10, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-80-67

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

FACILITY: Abbott Laboratories, West Chicago, IL
License No. 12-00621-03

SUBJECT: INTERRUPTION OF NUCLEAR MEDICINE SHIPMENT WHILE IN TRANSIT

Region III (Chicago) received notification from the U. S. Department of Energy that several packages of radioactive material had fallen from a Purolator truck over a three mile length of U. S. Rt. 41, South from Old Elm Road, Lake Forest, IL. Eleven of these had been recovered by 9:15 a.m. on April 10, 1980. The packages, which contained generally licensed microcurie amounts of iodine-125 incorporated into radioimmunoassay kits with no measurable surface radiation level above natural background as measured with G. M. survey instruments, are being recovered by the shipper, Abbott Laboratories, North Chicago, IL, and are being returned to the Abbott Park Facility. They have been assisted by the Lake Forest, IL Police and Fire Departments.

The loss occurred because the rear door of the Purolator truck was not securely closed during transit. The driver of the truck was not aware of this, apparently, until informed by another motorist that he was losing his load. At this point, the Purolator driver secured the door of his truck and returned to his dispatch office in Chicago, IL, where he reported to his supervisor.

At about 9:30 p.m. the Illinois Emergency Services and Disaster Agency dispatched a state trooper trained in radiation monitoring to the scene. With the survey instruments he had available to him, the trooper found no leakage of radioactive materials from the packages. However, the Abbott Lab's RSO was able to detect minimal levels of activity with a much more sensitive, thin crystal, gamma scintillation detector.

The loss occurred at approximately 8:00 p.m. on April 9, 1980. The Illinois State Police closed the south bound lanes of Rt. U. S. 41 for a period of three to four hours until the shipper arrived on the scene and could recover the packages. There was also concern with regard to apparent infectious hazard (hepatitis antigen); personnel from Abbott stated that no infectious hazard existed. This was confirmed by the National Center for Disease Control.

Continued on Page 2 . . .

Dupe of 8000000000

PRELIMINARY NOTIFICATION

PNO-III-80-67
April 10, 1980
Page 2

A total of 13 packages have been recovered; of these two contained no radioactive material. Five of the packages were recovered intact while eight packages were damaged, apparently hit by moving vehicles. The actual number of missing packages containing radiiodine is not known at this time.

Abbott Laboratories personnel are continuing the search for packages along this stretch of Rt. U. S. 41 to verify that all packages have been found and accounted for.

There has been news media interest and coverage of this loss. Both the NRC and the licensee have been responding to news media but plan no press release.

Region III received initial notification of the incident from the headquarters duty officer at 11:10 p.m. on April 9, 1980.

This is current as of 11:00 a.m. on April 10, 1980. Because of the low levels of radioactive material involved, Region III's actions have been limited to follow-up of licensee actions.

Contact: C. T. Oberg, 384-2512; T.H. Essig, 384-2611.

Distribution:
Chairman Ahearne
Commissioner Gilinsky
Commissioner Kennedy

Transmitted H St 105
Commissioner Hendrie
Commissioner Bradford
ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB _____
W. J. Dircks, EDO
C. Michelson, AEOD
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shapar, ELD

P. Bldg _____
H. R. Denton, NRR
D. R. Muller, NRR
R. J. Mattson, NRR
D. Vassallo, NRR
D. Eisenhut, NRR
SS Bldg _____
J. G. Davis, NMSS
R. J. Budnitz, RES

IE:XOOS 12 53 (IE:HQ Dist.)

Landow _____ (6 min/page)
J. J. Cummings, OIA

(MAIL)
R. Minogue, SD
IE:XOOS

PRELIMINARY NOTIFICATION

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III- 80-43

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Minnesota, Mining and Manufacturing
Minneapolis, MN
License No. 22-00057-06

Subject: VEHICLE CONTAMINATION FROM LEAKING Po-210 STATIC ELIMINATOR

Region III (Chicago) received notification from the licensee that a Po-210 static eliminator bar had been received from the S. D. Warren Co. in West Brook, Maine that was leaking. The licensee stated that a spot of contamination reading 75,000 DPM/100 cm² had been found in the delivery truck and was being decontaminated. The licensee had not yet surveyed the outside of the package in which the bar had been delivered.

The static eliminator bar contains about 23 millicuries of PO-210 and is a generally licensed device. The Po-210 is contained in ceramic microspheres and if ingested little if any Po-210 would be absorbed by the body.

Neither 3M nor the NRC plans a press release.

The Department of Transportation (DOT), the State of Minnesota, Region I and the carrier are being notified. Region III will recommend that DOT identify all carriers of this package and perform radiation surveys of all vehicles involved.

Region III received notification of this incident in a telephone call from the plant health physicist at about 4:40 p.m. CST on March 6, 1980. An attempt to notify the carrier at that time was unsuccessful.

Contact: C. J. Paperiello, RIII 384-2511 A. B. Davis, RIII 384-2510

| | | |
|------------------------------------|-----------------------------------|-------------------------------------|
| Distribution: | Transmitted H St <u>8:54 AM</u> ✓ | |
| Chairman Ahearn | Commissioner Hendrie | S. J. Chilk, SECY |
| Commissioner Gilinsky | Commissioner Bradford | C. C. Kammerer, CA |
| Commissioner Kennedy | ACBS | (For Distribution) |
| Transmitted: MNBB <u>8:51 AM</u> ✓ | Bldg <u>8:47 AM</u> ✓ | ✓ IE:XOOS <u>8:45 AM</u> : HQ Dist. |
| W. J. Dircks, EDO | H. R. Denton, NRR | |
| C. Michelson, AEOD | R. C. DeYoung, NRR | |
| J. J. Fouchard, PA | R. J. Mattson, NRR | |
| N. M. Haller, MPA | D. Vassallo, NRR | Landow _____ (6 min/page) |
| R. G. Ryan, OSP | D. Eisenhut, NRR | J. J. Cummings, OIA |
| H. K. Shapar, ELD | ✓ SS Bldg <u>8:52 AM</u> | (MAIL) |
| | J. G. Davis, NMSS | R. Minogue, SD |
| | S. Levine, RES | IE:XOOS |

RI - 9:00 AM ✓
RII - 9:02 AM ✓
RIII - 9:05 AM ✓
RID - 9:07 AM ✓

PRELIMINARY NOTIFICATION

Dupe of 80424256 (1pg)

PRELIMINARY NOTIFICATION

Date: October 25, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-79-22

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Facility: Nuclear Pharmacy, Inc.
Elmhurst, IL
License No. 12-18044-01MD

Subject: TRANSPORTATION ACCIDENT - NO LOSS OF MATERIAL

At about 5:20 a.m. CDT in Algonquin, Illinois, a vehicle heading north on U. S. Highway 31 and carrying 300 mCi of Tc-99m and a small quantity of I-123, had an accident. The vehicle, a Dodge Omni, swerved to avoid a car. The vehicle was sideswiped, hit some bumps and several tires blew out, causing the driver to lose control of the car. The accident occurred at a railway crossing near the center of the town. The byproduct material was contained in three packages going to the McHenry County Hospital and the Memorial Hospital in Woodstock.

Local police said that no injury occurred. The intact packages were surveyed at Memorial Hospital. No contamination was found. The local police responded. The licensee surveyed the vehicle and the package and found no contamination.

There appears to be no media interest. Neither the licensee nor Region III (Chicago) intends to issue a press release. The State of Illinois has been notified. Region III (Chicago) received initial notification of this matter by telephone from the State of Illinois at 2:30 p.m. and more complete information from the licensee's Radiation Safety Officer at 3:30 p.m. on October 25, 1979.

Contact: C. Paperiello, RIII 384-2579

A. B. Davis, RIII 384-2675

Distribution: Transmitted H St _____

Chairman Hendrie
Commissioner Kennedy
Commissioner Gilinsky

Commissioner Bradford
Commissioner Ahearne
ACRS

S. J. Chilk, SECY
C. C. Kammerer, CA
(For Distribution)

Transmitted: MNBB _____
L. V. Gossick, KDO
H. L. Ornstein, EDO
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shapar, ELD

P. Bldg _____
H. R. Denton, NRR
R. C. DeYoung, NRR
R. J. Mattson, NRR
D. Vassallo, NRR
D. Eisenhut, NRR
SS Bldg _____
W. J. Dircks, NMSS
S. Levine, RES

IE:XOOS _____ (IE: HQ Di

Landow _____ (6 min/page
J. J. Cummings, OIA

(MAIL)
R. Minogue, SD
IE:XOOS

PRELIMINARY NOTIFICATION

Dupl of 79L224663 (1pg)

PRELIMINARY NOTIFICATION

July 25, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-79-279

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Licensee: Mallinckrodt, Inc., St. Louis, MO
License No. 24-04206-01

Subject: LOST SHIPMENT OF LICENSED BYPRODUCT MATERIAL

The licensee reported that a radioactive shipment, one of seven boxes, containing a 500 millicurie molybdenum-99 generator (calibrated for July 20, 1979) had not been received by Waterville Osteopathic Hospital, Waterville, Maine. The licensee reportedly transferred seven boxes containing licensed byproduct material to TWA to be shipped to the consignee, U. S. Priority Transfer Corporation, Boston, Massachusetts. The consignee received the shipment on July 21, 1979, at 4:09 p.m., signing for seven boxes but claiming to have received only six boxes. The six boxes were shipped to their destinations. The licensee learned of the lost generator from a doctor at the Waterville Osteopathic Hospital during the morning of July 23, 1979.

The consignee has placed a tracer on the shipment. NRC, Region III, Chicago, notified Region I of the incident on July 24, 1979. They will notify the appropriate states in their Region. A Region III inspector is onsite at Mallinckrodt for a routing inspection and will review the matter.

There has been no media interest. Region III is not planning a press release at this time.

The NRC inspector, Region III, Chicago, received notification of the lost shipment on July 24, 1979, at approximately 3:45 p.m.

The information given reflects the situation as of 8:00 a.m. on July 25, 1979.

Contact: JRMetzger, IE x28188 LBHigginbotham, IE x28188

| | | |
|-----------------------|------------------------|--------------------|
| <u>Distribution:</u> | Transmitted H St _____ | |
| Chairman Hendrie | Commissioner Bradford | S. J. Chilk, SECY |
| Commissioner Kennedy | Commissioner Ahearne | C. C. Kammerer, CA |
| Commissioner Gilinsky | ACRS | (For Distribution) |

| | | |
|-------------------------|---------------------|-------------------------|
| Transmitted: MNBB _____ | P. Bldg <u>1124</u> | V. Stello, IE |
| L. V. Gossick, EDO | H. R. Denton, NRR | Region <u>III</u> _____ |
| H. L. Ornstein, EDO | R. C. DeYoung, NRR | |
| J. J. Fouchard, PA | R. J. Mattson, NRR | |
| N. M. Haller, MPA | D. Vassallo, NRR | (MAIL) |
| R. G. Ryan, OSP | D. Eisenhut, NRR | J. J. Cummings, OIA |
| H. K. Shapar, ELD | SS Bldg _____ | R. Minogue, SD |
| | W. J. Dircks, NMSS | |
| | S. Levine, RES | |

PRELIMINARY NOTIFICATION

7910150615
POR

PRELIMINARY NOTIFICATION

July 23, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-79-275

This preliminary notification constitutes EARLY notice of an event of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Licensee: Mallinckrodt, Inc., St. Louis, MO
License No. 24-04206-01

Subject: LOST SHIPMENT OF LICENSED BYPRODUCT MATERIAL

The licensee reported that a radioactive shipment, one of four boxes, did not reach its destination. The box which is lost contains 63 millicuries of iodine 131, 100 millicuries of molybdenum 99, and less than 2 millicuries of iodine 125 in a total of 13 sources. The shipment was loaded onto an Eastern Airlines flight on July 9, 1979, for Charlotte, North Carolina.

The licensee has put a tracer on the package through the carriers of the shipment. An NRC, Region III (Chicago) inspector, who is on site for a routine inspection, is following the results of the effort.

NRC, Region II, Atlanta, was notified of the loss by Region III on July 23, 1979, and they will notify the State of North Carolina. Other states will be notified as appropriate after the other intermediate aircraft stops are identified.

There has been no media interest to date on this incident. Region III is considering issuing a press release.

Region III received notification of this incident by telephone on July 23, 1979, at 11:00 a.m. The information given reflects the situation as of noon on July 23, 1979.

Contact: J. R. Metzger, IE x28188; L. B. Higginbotham, IE x28188

Distribution: Transmitted H St _____

| | | |
|-------------------------|-----------------------|---------------------|
| Chairman Hendrie | Commissioner Bradford | S. J. Chilk, SECY |
| Commissioner Kennedy | Commissioner Ahearne | C. C. Kammerer, CA |
| Commissioner Gilinsky | ACRS | (For Distribution) |
| Transmitted: MNBB _____ | P. Bldg. 2.55 | V. Stello, IE |
| L. V. Gossick, EDO | H. R. Denton, NRR | Region III _____ |
| H. L. Ornstein, EDO | R. C. DeYoung, NRR | |
| J. J. Fouchard, PA | R. J. Mattson, NRR | |
| N. M. Haller, MPA | D. Vassallo, NRR | (MAIL) |
| R. G. Ryan, OSP | D. Eisenhut, NRR | J. J. Cummings, CIA |
| H. K. Shapar, ELD | SS Bldg _____ | R. Minogue, SD |
| | W. J. Dircks, NMSS | |

PRELIMINARY NOTIFICATION

7910150629
POR

June 8, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-79-143

This preliminary notification constitutes EARLY notice of an event of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Facility: E. R. Squibb Company
New Brunswick, New Jersey
(29-00139-02)

Subject: RELEASE OF MATERIAL TO THE PUBLIC DOMAIN

On June 8, 1979, NRC Region I was notified by an attorney of the E. R. Squibb Company that they had discovered that one of their sales representatives had been violating company policy for the past three years. The individual had been receiving spent molybdenum generators, containing up to 100 millicuries from three hospitals in New York, and transporting them to his home in Bridgeport, Connecticut. After waiting several half-lives of decay of the molybdenum the individual disposed of the column to the Bridgeport city dump and sold the lead shielding.

Over the past year, this individual also had been dismantling generators in the hospitals, disposing of the active column in the radioactive waste and taking the lead to his home. The licensee, upon discovery, halted the practice, and sent the individual to a medical consultant for dose estimation and whole body counting. The State of Connecticut has been notified and is working with Region I to make surveys at the individual's home and the city dump. The State of New York has been notified and is conducting investigations at the three hospitals. Region I is investigating at the licensee's facility in New Jersey and at the individual's home in Connecticut.

Media interest is expected because of the release of radioactive materials to the public domain. The States of Connecticut and New York has been informed. A press release is not planned by the licensee or NRC.

NRC, Region I, (Philadelphia) received notification of this occurrence by telephone from licensee at 2:15 p.m. on June 8, 1979.

Contact: L. Higginbotham, IE x28188; J. Sniezek, IE x28098

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|-------------------------------|------------------------------|----------------------|
| <u>Distribution:</u> | Transmitted H St <u>5:30</u> | |
| Chairman Hendrie | Commissioner Bradford | S. J. Chilk, SECY |
| Commissioner Kennedy | Commissioner Ahearne | C. C. Kammerer, CA |
| Commissioner Gilinsky | ACRS | (For Distribution) |
| Transmitted: MNBB <u>5:45</u> | P. Bldg <u>6:00</u> | J. G. Davis, IE |
| L. V. Gossick, EDO | H. R. Denton, NRR | Region <u>I 6:10</u> |
| H. L. Ornstein, EDO | R. C. DeYoung, NRR | |
| J. J. Fouchard, PA | R. J. Mattson, NRR | |
| N. M. Haller, MPA | V. Stello, NRR | (MAIL) |
| R. G. Ryan, OSP | R. S. Boyd, NRR | J. J. Cummings, OIA |
| H. K. Shapar, ELD | SS Bldg <u>6:05</u> | R. Minogue, SD |
| | W. J. Dircks, NMSS | |
| | S. Levine, RES | |

PRELIMINARY NOTIFICATION

7910150812
PDR

PRELIMINARY NOTIFICATION

April 11, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-79-79

This preliminary notification constitutes EARLY notice of an event of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Facility: Abbott Laboratories
Abbott Diagnostics Division
North Chicago, IL
License No. 12-00162-03

Subject: LOST SOURCE OF NOMINAL 0.992 MILLICURIES OF
IODINE-125 DURING SHIPMENT

The licensee, a manufacturer and distributor of in vivo and in vitro medical diagnostic kits, reported that a shipment of nominal 0.992 millicuries of iodine-125 (liquid) was apparently lost. The material, a "SENSOR" fibrinogen diagnostic kit (for localizing blood clots) was shipped from the licensee's facilities in North Chicago, IL by Purolator, Inc. on March 19, 1979. The material was consigned to Charleston Area Medical Center, Charleston, West Virginia. On March 27, 1979, the consignee notified Abbott Labs Traffic Department that the kit had not been received. The licensee's RSO was notified of the lost material on or about April 4, 1979. The shipment was to have been taken to Palwaukee or Midway Air Fields, Chicago, Illinois, where Purolator, Inc. was to have it transferred to an aircraft chartered by them (either PDQ or Zantop Airlines) for shipping purposes. The destination of the chartered aircraft was Columbus, Ohio, where Purolator was to pick up the package and deliver it to Charleston, West Virginia.

The licensee has been informed that Purolator, Inc. personnel have checked possible drop locations to no avail. They suspect the shipment was delivered to another hospital in the Charleston, West Virginia area and has not been reported. The licensee is continuing liaison followup with Purolator, Inc. to locate this material.

Preliminary calculations show that about 950 rads to the thyroid and about 4100 rads to the whole body could be received if this material were ingested.

CONTINUED

Dupe of 7910L 24482 (2pp)

There has been no media interest; a press release had not been made or planned by either the licensee or RIII.

Region II (Atlanta) was notified by Region III (Chicago) on April 6, 1979. The States of Illinois, Ohio and West Virginia have also been notified.

NRC, Region III (Chicago), received notification of this occurrence from the licensee's Radiation Safety Officer by telephone at 10:40 a.m. on April 6, 1979.

The information provided reflects the status of this lost material as of 4:30 p.m. on April 10, 1979.

Region III will continue to follow the licensee's progress in locating the material.

Contact: JRMetzger, IE x28188; LBHigginbotham, IE x28188

Distribution: Transmitted H St 3:25
Chairman Hendrie Commissioner Bradford S. J. Chilk, SECY
Commissioner Kennedy Commissioner Ahearne C. C. Kammerer, CA
Commissioner Gilinsky (For Distribution)

Transmitted: MNBB 3:27 P. Bldg 3:31 J. G. Davis, IE
L. V. Gossick, EDO H. R. Denton, NRR Region III 3:37
H. L. Ornstein, EDO R. C. DeYoung, NRR
J. J. Fouchard, PA R. J. Mattson, NRR
N. M. Haller, MPA V. Stello, NRR (MAIL)
R. G. Ryan, OSP R. S. Boyd, NRR J. J. Cummings, OIA
H. K. Shapar, ELD SS Bldg 3:34 R. Minogue, SD
W. J. Dircks, NMSS
S. Levine, RES

PRELIMINARY NOTIFICATION

PRELIMINARY NOTIFICATION

Date: July 23, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-80-107

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Facility: New England Nuclear Corporation
Billerica, Massachusetts
License No. 20-00320-13

Subject: SHIPMENT OF PACKAGE CONTAINING RADIOACTIVE MATERIAL WITHOUT PROPER D.O.T. LABEL

At 0900 on July 23, 1980, Region I received a report from the University of Pittsburgh that on July 18, 1980, they had received a package from New England Nuclear Corporation containing 1 millicurie of phosphorous-32 in aqueous solution on which surface radiation levels of 27 mR/hr were measured. The package had been shipped as a limited quantity under D.O.T. regulations and as such bore no external labeling identifying it as containing radioactive material. Upon opening the package, it was discovered that the inner container had leaked its contents to the outer plastic cup. Some contamination of the receiving facility resulted from opening this outer container.

This shipment was a replacement for a previous shipment which had been received 1-2 weeks previously, in which the inner container had similarly leaked, and on the surface of which radiation levels of approximately 17 mR/hr were measured. In neither case was there detectable contamination on the exterior of the package.

The Commonwealths of Pennsylvania and Massachusetts have been notified of this occurrence. Neither the licensee or Region I plans to issue a press release at this time. Region I will respond to inquiries from the news media.

Region I will conduct an on site inspection at the University of Pittsburgh on July 24, 1980, and at New England Nuclear Corporation on July 25, 1980.

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|----------|-----------------------|-----------------|-----------------------|-----------------|-----------------|-----------------|
| CONTACT: | <u>L. F. Friedman</u> | <u>488-1221</u> | <u>J. D. Kinneman</u> | <u>488-1206</u> | <u>G. Smith</u> | <u>488-1200</u> |
| | Prepared by | EXT | Section Chief | EXT | Branch Chief | EXT |

Dupe of 8008060387 (179)

PRELIMINARY NOTIFICATION