



September 4, 1984

Mr. Thomas Thompson
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Thompson:

RE: License 29-15364-01
Parsippany, NJ

My letter of July 31, 1984, requested the addition of two NPI sources to our authorized possession and use of licensed material. The designations requested were in error, and should have been listed as follows:

NPI 310-14-E

NPI 450-14-D

The NRC registry number, per NPI, is MD474S108S.

Very truly yours,

ISOMEDIX INC.


George R. Dietz
Executive Vice President

GRD:sac

8507200097 850510
PDR FOIA
GLOWACK85-111 PDR

223 Copy
"OFFICIAL RECORD COPY"

ISOMEDIX INC.

ML10

07 SEP 1984

ORM 218

U.S. NUCLEAR REGULATORY COMMISSION

DATE

9/4/84

0240

TIME

1100

☐ A.M.
☐ P.M.

TELEPHONE OR VERBAL CONVERSATION RECORD

☐ INCOMING CALL☒ OUTGOING CALL☐ VISIT

PERSON CALLING

Thompson

OFFICE/ADDRESS

RI

PHONE NUMBER

EXTENSION

5303

PERSON CALLED

George Dietz

OFFICE/ADDRESS

Isomedix

PHONE NUMBER

EXTENSION

(201) 887-4700

CONVERSATION

SUBJECT Model #'s do not correspond to Regist. # MD-47451085

SUMMARY

~~Please call back~~ Mr. Dietz will clarify
and return call plus write us a letter.

9/6/80 Returned call & corrected Model Numbers to
310-14-E, 450-14-D

"OFFICIAL RECORD COPY"

224 Copy

MLD

REFERRED TO:

ACTION REQUESTED

ACTION TAKEN

☐ ADVISE ME OF
ACTION TAKEN.

INITIALS

DATE

INITIALS

DATE

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Inspection No.

INSPECTION FINDINGS AND LICENSEE ACKNOWLEDGMENT

1. LICENSEE ISOMEDIX, INCORPORATED 25 EASTMAN ROAD PARSIPPANY, NEW JERSEY 07054		2. REGIONAL OFFICE U.S. Nuclear Regulatory Commission Office of Inspection & Enforcement Region I 631 Park Avenue King of Prussia, Pa. 19406	
3. DOCKET NUMBER(S) 030-08985	4. LICENSE NUMBER(S) 29-15364-01	5. DATE OF INSPECTION April 10, 1984	

6. INSPECTION FINDINGS
The inspection was an examination of the 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 license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The findings as a result of this inspection are as follows:

☐ No items of noncompliance or unsafe conditions were found.

The following items of noncompliance related to records, signs, and labels were found:

- ☐ A. Rooms or areas were not properly posted to indicate the presence of a RADIATION AREA. 10 CFR 20.203(b) or 34.42
- ☐ B. Rooms or areas were not properly posted to indicate the presence of a HIGH RADIATION AREA. 10 CFR 20.203(c) (1) or 34.42
- ☐ C. Rooms or areas were not properly posted to indicate the presence of an AIRBORNE RADIOACTIVITY AREA. 10 CFR 20.203(d)
- ☒ D. Rooms or areas were not properly posted to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(e)
- ☐ E. Containers were not properly labeled to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(f) (1) or (f) (2)
- ☐ F. A current copy of 10 CFR 20, a copy of the license, or a copy of the operating procedures was not properly posted or made available. 10 CFR 20.206(b)
- ☐ G. Form NRC-3 was not properly posted. 10 CFR 20.206(c)
- ☐ H. Records of the radiation exposure of individuals were not properly maintained. 10 CFR 20.401(a) or 34.33(b)
- ☐ I. Records of surveys or disposals were not properly maintained. 10 CFR 20.401(b) or 34.43(d)
- ☐ J. Records of receipt, transfer, disposal, export or inventory of licensed material were not properly maintained. 10 CFR 30.51, 40.61 or 70.51
- ☐ K. Records of leak tests were not maintained as prescribed in your license, or 10 CFR 34.25(c)
- ☐ L. Records of inventories were not maintained. 10 CFR 34.26
- ☐ M. Utilization logs were not maintained. 10 CFR 34.27
- ☐ N. Records of radiation survey instrument calibration were not maintained. 10 CFR 34.24
- ☐ O. Records of teletherapy electrical interlock tests were not maintained as prescribed in your license.
- ☐ P. Other _____

Charles A. Roibe
(NRC Inspector)

7. The NRC Inspector has explained and I understand the items of noncompliance listed above. The items of noncompliance will be corrected within the next 30 days.

84053088 pp.
4/10/84
(Date)

[Signature]
(Licensee Representative - Title or Position)

221 Copy
[Signature]

LICENSE NO: 29-15364-01

DOCKET NO. (s) 30-08985

PAGE _____ OF _____

ATTACHED

- ☐ Appendix A
☐ Appendix B
☐ Appendix C
☐ Memo

INSPECTION REPORT NO. 84-01

Esomedix, Inc.
25 Eastman Road
Parsippany, New Jersey

LICENSEE CONTACT: _____ Telephone No: 201-887-4700

LICENSE NO: 29-15364-01 CATEGORY E3 PRIORITY: 1

CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

INSPECTION DATE (s): April 10, 1984

TYPE OF INSPECTION: ☐ SPECIAL ☐ ANNOUNCED
☒ ROUTINE ☒ UNANNOUNCED
☒ DAYSHIFT
☐ OTHER

SUMMARY OF FINDINGS AND ACTION

- ☐ NO NONCOMPLIANCE, CLEAR 591 ISSUED
☐ NO NONCOMPLIANCE, LETTER
☐ NONCOMPLIANCE, APPENDIX A

- ☐ ACTION ON PREVIOUS NONCOMPLIANCE, APPENDIX B
☒ NONCOMPLIANCE, 591 ISSUED
☐ SUPPLEMENTAL INFO, APPENDIX C

RECOMMENDATIONS
SEE BASIS IN APPENDIX C

☐ CHANGE CATEGORY TO: _____
☒ NEXT INSPECTION DATE: 4-84

☐ CHANGE PRIORITY TO: _____

PERSONS CONTACTED

S. Dietz, President
C. Herring, Plant Manager
E. Holt, Production Manager
T. Linnick, Lead Operator
Station Maintenance Staff
Other operators

INSPECTOR: C. Rowe

APPROVED: J. Kenner

4-24-84

4/25/84

77710B - Irradiator

INSPECTION PLAN AND REPORT NUMBER _____ Page _____ of _____

Plan Approved: _____ Date: _____

Licensee: _____ License No. _____

Inspection Items	Scheduled for Inspection	Post Inspection Status	Module No.
Management Meeting - Entrance and Exit Interviews (Required)	-		30703B
Program Requirements, MC 2850 (Required)			77710B
Followup on Noncompliance and Deviations			92702B
Independent Inspection Effort (Required)			92706B
Transportation			86740B

INSPECTION REPORT NUMBER _____

Page _____ of _____

777108 - Irradiator

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond _____	<u>C</u>
Management organization?		
Radiation protection organization?		
Scope of program?		
NOTES & REMARKS:	<i>One lead operator and 3 operators per shift. 3 shifts (7 days week) Batch operation only.</i>	
2. <u>Licensee Internal Audits</u>	Lic Cond _____	<u>C</u>
Scope and frequency?		
Management controls?		
NOTES & REMARKS:	<i>Plant Manager tours area daily and reviews all records.</i>	
3. <u>Training and Instructions to Employees</u>		<u>C</u>
Training program, scope and frequency, retraining?	Lic Cond _____ ✓	
Required tests administered; scores satisfactory?	✓	
Instructions to workers?	19.12 ✓	
NOTES & REMARKS:	<i>Classroom and on-job training with tests.</i>	
4. <u>Radiation Protection Procedures</u>		<u>C</u>
Operating & emergency procedures implemented?	Lic Cond _____	
Security?	20.207	
NOTES & REMARKS:		

INSPECTION REPORT NUMBER _____

Page _____ of _____

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: _____

License No: _____

Reference	Basis for noncompliance
Report item <u>1</u>	<i>No "Caution Proactive Material" sign on door to maintenance room where old smoke element was stored.</i>
10 CFR <u>203 (e)</u>	
Lic Cond _____	
Type n/c <u>SLV</u>	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	

INSPECTION REPORT NUMBER _____

Page _____ of _____

APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: _____

License No: _____

Identification and summary of action taken			Status
Report No: <u>83-01</u>	Type n/c: <u>IV</u>	Describe: <u>L/C 13.0 results of leak test not in MCI</u>	
Action taken: <u>Licensee correcting equipment calibrated by consultant. Efficiency checks are made and results recorded in MCI</u>			<input type="checkbox"/> OPEN <input checked="" type="checkbox"/> CLOSED
Report No: <u>83-01</u>	Type n/c: <u>IV</u>	Describe: <u>L/C 15 Results of conf. review not in MCI</u>	
Action taken: <u>Same as above</u>			<input type="checkbox"/> OPEN <input checked="" type="checkbox"/> CLOSED
Report No: _____	Type n/c: _____	Describe: _____	
Action taken: _____			<input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
Report No: _____	Type n/c: _____	Describe: _____	
Action taken: _____			<input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
Report No: _____	Type n/c: _____	Describe: _____	
Action taken: _____			<input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
Report No: _____	Type n/c: _____	Describe: _____	
Action taken: _____			<input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED

INSPECTION REPORT NUMBER _____

Page _____ of _____

APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: _____ License No: _____

-
- | | |
|---|---|
| <input type="checkbox"/> Uncorrected/repeated noncompliance | <input type="checkbox"/> Unresolved items |
| <input type="checkbox"/> Unusual occurrence, conditions, etc | <input type="checkbox"/> Inspector's comments |
| <input type="checkbox"/> Basis for change of Category or Priority | |
-

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
5. <u>Materials, Facilities and Instruments</u>		<u>N/C</u>
Authorized uses and quantities? ✓	Lic Cond _____	
Restricted areas, posting requirements? <u>N/C</u>	20.203	
Survey instruments & dosimeters; operable, properly calibrated? ✓	Lic Cond _____	
Independent area radiation monitor? ✓		
Survey meter used on entering HRA? ✓		
NOTES & REMARKS: <i>Room where radioactive material stored (maintenance shop) not marked as containing radioactive material</i>		
6. <u>Receipt and Transfer of Materials</u>		<u>C</u>
Procedures implemented, adequate?	20.205, 71.51	
Transfer of byproduct material?	30.41	
Control of source material, SNM?	40.51, 40.64, 70.42, 70.51, 70.53, 70.54	
Records of receipt, transfer, storage, survey and monitoring?	30.51	
NOTES & REMARKS:		
7. <u>Control of High Radiation Area</u>		<u>C</u>
Interlocks, tests, entry control?	20.203(c)(6)	
Action if entry control device fails?		
Device to prevent source exposure with individual in chamber?		
Level control for liquid shield?		
Source exposure procedure?		
Control of portals (continuous irradiator)?		
NOTES & REMARKS:		

777108 - Irradiator

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
8. <u>Transportation</u>		<u>N/A</u>
Management controls, audits?		
Selection of packaging?	49 CFR 173.393-5, 10 CFR 71	
Preparation of packages for shipment?	49 CFR 172, 173	
Filling, loading, closing, liquids?	49 CFR 172, 300	
Markings & labelling?	49 CFR 172.403, 402	
Monitoring?	49 CFR 173.393	
Shipping papers, loading & placarding of vehicles?	49 CFR 172.200	
Reports of incidents?		
Examination of packages?		
NOTES & REMARKS:		

9. Personnel Protection- ExternalC

Personnel monitoring control; minimize exposures, control of accumulated dose?	20.101, 20.102, 20.202
Surveys conducted, adequate?	20.201
Records of monitoring, surveys, disposals?	20.401, Lic Cond _____
Levels in unrestricted areas?	20.1, 20.105
NOTES & REMARKS:	

10. Personnel Protection - InternalC

Airborne concentrations in restricted areas?	20.103 <u>✓</u>
Exposure of minors?	20.104 <u>✓</u>
Posting of airborne radioactivity areas?	20.203 <u>✓</u>
Survey, monitoring, bioassay requirements; records?	20.201, 20.401 <u>✓</u>
Leak tests of sealed sources?	Lic Cond _____ <u>✓</u>
NOTES & REMARKS:	

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
11. <u>Effluent Control, Waste Disposal</u>		<u>N/A</u>
Release of effluents?	20.106	
Waste disposal, proper packaging for shipment?	20.301, 20.303, 20.304, 20.305	
Procedures, records?	20.401, Lic Cond _____	
NOTES & REMARKS:		
12. <u>Shipping, Shipping Incidents</u>		<u>N/A</u>
Procedures for pickup, receipt, monitoring of packages?	20.205(b) & (c)	
Incidents, reports, corrective actions?	49 CFR 170-189	
NOTES & REMARKS:		
13. <u>Notifications and Reports</u>		<u>C</u>
To individuals?	19.13	
Overexposures, excessive levels & concentrations, incidents?	20.403, 20.405	
Personnel exposures and monitoring, termination reports?	20.407, 20.408	
Theft or loss of licensed material?	20.402	
NOTES & REMARKS:		
14. <u>Posting of Notices</u>		<u>C</u>
Part 20, license & documents, procedures, notice of violations?	19.11(a)	
NRC-3?	19.11(c)	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
15. <u>Environmental Monitoring Program</u>	Lic Cond _____	<u>N/A</u>
Implementation of program, scope and frequency as required?		
Records maintained, reviewed by management?		
NOTES & REMARKS:		

16. <u>Emergency Preparedness</u>	Lic Cond _____	<u>C</u>
Procedures available for incidents and accidents?		
Training for personnel; coordination with supporting groups and agencies?		
NOTES & REMARKS:		

17. <u>Other License Conditions</u>		_____
NOTES & REMARKS:		

18. <u>Confirmatory Measurements</u>		<u>C</u>
Licensee's surveys verified on sampling basis? 20.105, 20.201		
Analysis of pool water sample?		
NOTES & REMARKS:		
<i>n 2 mR/hr over pool</i> <i>20.2 mR/hr outside irradiator</i>		
NRC Instrument: <u># 9662</u>	<u>Lead box</u>	Calibration Due Date: <u>7-12-84</u>

19. <u>Independent Inspection Effort</u>		<u>C</u>
<i>Visited new facility site in Whippary</i> <i>which will be completed in June for source loading</i> <i>discussed program with new plant manager</i>		
NOTES & REMARKS:		
<i>Surveys in storage area</i>		



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Reg

FCTC:EPE
71-9182

NOV 02 1983

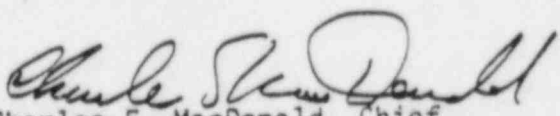
Isomedix Inc.
ATTN: Mr. George R. Dietz
P.O. Box 177
Parsippany, NY 07054

Gentlemen:

As requested in your letter dated October 28, 1983, we have registered you in accordance with the provision of Paragraph 71.12 of 10 CFR Part 71, as a user of the following certificate(s) of compliance.

<u>Model Number</u>	<u>Package Identification Number</u>
HUSMAN IRRAD.	USA/9182/B(U)

Sincerely,


Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety, NMSS

cc: U.S. Department of Agriculture
ATTN: Mr. Robert D. Jarrett
SEA, RSS, RM-226, B-001, BARC
Beltsville, MD 20705

831110355 1p.

220 Copy

Region I

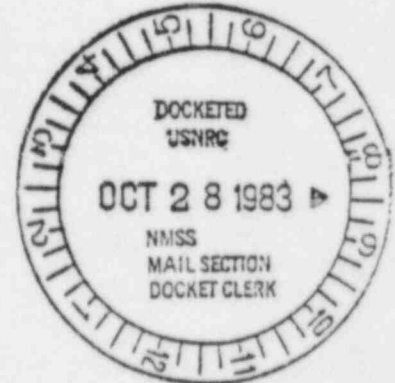
71-9182



'83 OCT 28 AIO:56

October 25, 1983

Mr. Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety, NMSS
US Nuclear Regulatory Commission
Washington, DC 20555



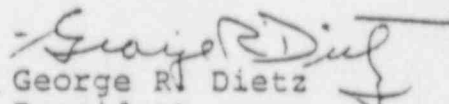
Dear Mr. MacDonald:

It is our understanding that Certificate No. USA/9182/B (U)
(Docket #71-9182) may be issued shortly.

It is requested that Isomedix Inc. be registered as a user
when the subject Certificate is issued.

Very truly yours,

ISOMEDIX INC.


George R. Dietz
President

GRD:sac

83H110377 2pp.

ISOMEDIX INC.

CORPORATE OFFICES • 80 SOUTH JEFFERSON ROAD, WHIPPANY, NEW JERSEY 07981 • (201) 887-4700

23023

DOCKET NO. 71-9182
CONTROL NO. 23023
DATE OF DOC. 10/25/83
DATE RCVD. 10/28/83
FCUF _____ PDR ✓
FCAF _____ LPDR _____
WM _____ I&E REF. ✓
RMUR _____ SAFEGUARDS _____
FCTC ✓ OTHER _____

DESCRIPTION:

It is requested that
they be registered
as a user when
Certificate of Com-
pliance is issued
10/28/83 INITIAL CEC

07 SEP 1984

License No. 29-15364-01
Docket No. 030-08985
Control No. 02732

Isomedix Inc.
ATTN: George R. Dietz
Executive Vice President
80 South Jefferson Road
Whippany, New Jersey 07981

Gentlemen:

Enclosed is Amendment No. 20 to License No. 29-15364-01. You should review this amendment for correctness and to assure that any changes in procedures required by the conditions are implemented.

We wish you continued success with your license program.

Sincerely,

Original Signed By:
John E. Glenn

John E. Glenn, Ph.D., Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

Enclosures:

1. Amendment No. 20
2. Form NRC-313
3. Form NRC-3

RET
RI:DETP
Thompson/cop *J* Glenn
9/7/84 9/7/84

225 Copy

OFFICIAL RECORD COPY

29-15364-01/LTR - 0001.0.0
09/06/84

~~8409250010~~ 840907
NMS LIC30
29-15364-01 PDR

ML16



July 31, 1984

Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Attn: Dr. John Glenn

Dear Dr. Glenn:

RE: License 29-15364-01
Parsippany NJ

We would like to amend our license as follows:

Item 6: Add

Cobalt-60	Sealed Sources Neutron Products, Inc. Model Numbers 14-310-E and 14-450-D	Not to exceed 12,000 curies per source
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Item 9 (Authorized Use)

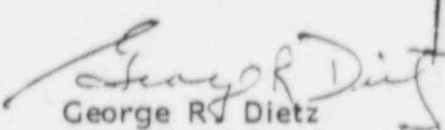
For use in an irradiator for the processing or irradiation
of materials, excluding explosives, flammables and
corrosive materials.

NPI has told us that these sources have already been registered
with the NRC.

The license fee category is 170.31 Paragraph 3G. Our check in
the amount of \$230.00 is enclosed.

Very truly yours,

ISOMEDIX INC.


George R. Dietz
Executive Vice President

Applicant.....
Check No. 15557
Amount, Fee Category 230-36
Type of Fee... AMD
Date Check Rec'd. 8/5/84
Received By... asc

RECEIVED BY LFMB

8/9/84

Aug 7-I

asc

GRD:sac

Enclosure

8409250013-840907

NMS LIC30

29-15364-01

PDR

ISOMEDIX INC.