

5/81, 6/79

LICENSE NO: 29-15364-01

DOCKET NO. (s) 30-08985

PAGE _____ OF _____

ATTACHED

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

INSPECTION REPORT NO. 83-01

Isamedix, Inc.
80 South Jefferson Road
Whippany, N.J. 07981

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

LICENSE NO: 29-15364-01 CATEGORY E PRIORITY: IV

CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

INSPECTION DATE (s): 2/9/83 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: _____
☐ CHANGE PRIORITY TO: _____

PERSONS CONTACTED

Bernard McCloskey, Production Clerk
Ronald Llewellyn, Production Mgr.
* Jim William Owens, Vice Pres + Tech. Dir.
* George Baber, General Mgr.
Eric Vatt, operator
Tom Gamache, operator

INSPECTOR: Lawrence F. Friedman 2/14/83

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 _____

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777108 - Irradiator

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEMS	CRITERIA	FINDING
<p>1. <u>Organization</u></p> <p>Management organization?</p> <p>Radiation protection organization?</p> <p>Scope of program?</p> <p>NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><i>runs continuously, but in batches</i></p> <p><i>Gammacell business sold. No source loading since hot cells decommissioned.</i></p>
<p>2. <u>Licensee Internal Audits</u></p> <p>Scope and frequency?</p> <p>Management controls?</p> <p>NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><i>Baker audits records but missed problems.</i></p>
<p>3. <u>Training and Instructions to Employees</u></p> <p>Training program, scope and frequency, retraining?</p> <p>Required tests administered; scores satisfactory?</p> <p>Instructions to workers?</p> <p>NOTES & REMARKS:</p>	<p>Lic Cond _____</p> <p>19.12</p>	<p><i>records of training, exams received, O.K.</i></p>
<p>4. <u>Radiation Protection Procedures</u></p> <p>Operating & emergency procedures implemented?</p> <p>Security?</p> <p>NOTES & REMARKS:</p>	<p>Lic Cond _____</p> <p>20.207</p>	<p><i>C</i></p>

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
5. <u>Materials, Facilities and Instruments</u>		<u>C</u>
Authorized uses and quantities?	Lic Cond _____	
Restricted areas, posting requirements?	20.203	
Survey instruments & dosimeters; operable, properly calibrated?	Lic Cond _____	
Independent area radiation monitor?		
Survey meter used on entering HRA?		
NOTES & REMARKS:		
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? <i>OK</i>	20.203(c)(6)	
Action if entry control device fails? <i>OK</i>		
Device to prevent source exposure with individual in chamber? <i>OK</i>		
Level control for liquid shield? <i>OK</i>		
Source exposure procedure? <i>OK</i>		
Control of portals (continuous irradiator)? <i>a/a</i>		
NOTES & REMARKS: <i>batch</i>		

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. <u>Personnel Protection- External</u>		<u>C</u>
Personnel monitoring control; minimize exposures, control of accumulated dose?	20.101, 20.102, 20.202	
Surveys conducted, adequate?	20.201	OK
Records of monitoring, surveys, disposals?	20.401, Lic Cond _____	
Levels in unrestricted areas?	20.1, 20.105	
NOTES & REMARKS:		
10. <u>Personnel Protection - Internal</u>		<u>IV, IV</u>
Airborne concentrations in restricted areas?	20.103	
Exposure of minors?	20.104	
Posting of airborne radioactivity areas?	20.203	
Survey, monitoring, bioassay requirements; records?	20.201, 20.401	
Leak tests of sealed sources?	Lic Cond _____	
NOTES & REMARKS:	calculations data in CPM	

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
11. <u>Effluent Control, Waste Disposal</u>		<u>none</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? <u>OK</u>	19.13	
Overexposures, excessive levels & concentrations, incidents? <u>none</u>	20.403, 20.405	
Personnel exposures and monitoring, termination reports? <u>OK</u>	20.407, 20.408	
Theft or loss of licensed material? <u>none</u>	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-37	19.11(c)	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

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

16. <u>Emergency Preparedness</u> Procedures available for incidents and accidents? Training for personnel; coordination with supporting groups and agencies? NOTES & REMARKS:	Lic Cond _____	<u>OK</u>
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17. <u>Other License Conditions</u> NOTES & REMARKS:	_____	_____
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18. <u>Confirmatory Measurements</u> Licensee's surveys verified on sampling basis? Analysis of pool water sample? NOTES & REMARKS: *	20.105, 20.201 levels over pool ~ 2 mR/hr. outside irradiator, source up < 0.2 mR/hr.	_____
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NRC Instrument: Sub den 14C Calibration Due Date: 3/7/83

19. <u>Independent Inspection Effort</u> NOTES & REMARKS:	_____	_____
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INSPECTION REPORT NUMBER _____

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APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: _____

License No: _____

Reference	Basis for noncompliance
Report item _____ 10 CFR _____ Lic Cond <u>13.B.</u> Type n/c <u>IV</u>	results of leak tests in cpm, no check of detector for efficiency, or geometry, or constancy.
Report item _____ 10 CFR _____ Lic Cond <u>15</u> Type n/c <u>IV</u>	ditto for monthly contamination wipes
appl. 6/29/79, item 15.3.2.1	
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 _____	

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APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: _____

License No: _____

Identification and summary of action taken	Status
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Report No: <u>81-01</u> Type n/c: <u>IV</u> Describe: <u>20,201 kg of RAM released into sewer</u>	
Action taken: <u>surveys currently done</u>	OPEN <u>CLOSED</u>

Report No: <u>81-01</u> Type n/c: <u>V (VI)</u> Describe: <u>no records of contamination survey</u>	
Action taken: <u>records currently being kept</u>	OPEN <u>CLOSED</u>

Report No: _____ Type n/c: _____ Describe: _____	
Action taken: _____	OPEN CLOSED

Report No: _____ Type n/c: _____ Describe: _____	
Action taken: _____	OPEN CLOSED

Report No: _____ Type n/c: _____ Describe: _____	
Action taken: _____	OPEN CLOSED

Report No: _____ Type n/c: _____ Describe: _____	
Action taken: _____	OPEN CLOSED

INSPECTION REPORT NUMBER _____

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APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: _____ License No: _____

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- ☐ Uncorrected/repeated noncompliance
 - ☐ Unusual occurrence, conditions, etc
 - ☐ Basis for change of Category or Priority

- ☐ Unresolved items
- ☐ Inspector's comments

monthly contamination checks (§ 15.3.2.1) and
leak test of sources recorded in cpm. Personnel
could not produce efficiency data.

Person ~~was~~ used to do test retired last month.

JUL 02 1982

Docket No. 30-08985

License No. 29-15364-01

Isomedix Incorporated
ATTN: George R. Deitz
President
80 South Jefferson Road
Whippany, New Jersey 07981

Gentlemen:

Subject: Inspection No. 82-01

This refers to the special safety inspection conducted by Mr. J. Nicolosi of this office on June 22, 1982 at your Parsippany, New Jersey facility of activities authorized by NRC License No. 29-15364-01 and to the discussions of our findings held by Mr. Nicolosi with yourself and other members of your staff at the conclusion of the inspection.

The area examined during this inspection was limited to a review of the exposure to a TLD badge which you reported by telephone on June 18, 1982. Within this area, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, measurements made by the inspector, and observations by the inspector.

Within the scope of this inspection, no violations were observed.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter will be placed in the Public Document Room.

No reply to this letter is required. Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:

Myu Campbell

for Thomas T. Martin, Director
Division of Engineering and Technical
Programs

cc:
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
State of New Jersey

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Isomedix Incorporated


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JUL 02 1982

bcc:

Region I Docket Room (with concurrences)

Chief, Operational Support Section

 RI:DETP

Nicolosi/jpf

7/1/82

 RI:DETP

Kinneman