

INSPECTION REPORT NO. 30-8485 (78-02)Page 1 of     

Attached

☐ Appendix A☒ Appendix B☐ Appendix C☐ MemoLicensee contact: Isomedix, Inc.  
80 South Jefferson RD.  
Whippany NJ  
Licensee contact: G Dietz Pres. Telephone no. 201-887-4700License no. 29-15364-01 Last amendment and date: April 20, 1978Category: F, and Priority: IV, as of last amendment.Inspection date(s): June 8, 1978 Type of inspection: unannounced-special

## SUMMARY OF FINDINGS AND ACTION

☐ No noncompliance, clear 591 issued☐ Noncompliance, 591 issued☐ Noncompliance, Appendix A☐ Regional action Hq action☒ Action on previous noncompliance, Appendix B☐ Supplemental info, Appendix C

## RECOMMENDATIONS

See basis in Appendix C or attached memo.

☐ Change Category to:     ☐ Change Priority to:     ☐ Next inspection date:     

## PERSONS CONTACTED

<u>* G. Dietz President</u>	<u>L. Castaldi asst. Secy</u>
<u>Yves Doyle RS</u>	<u>    </u>
<u>William McKinn Tech</u>	<u>    </u>
<u>W. Owens Technical Vice Pres</u>	<u>    </u>

Inspector: E. Patton6-13-78Approved: C. M. M. M. M.6/14/78

Plan approved: \_\_\_\_\_ Date: \_\_\_\_\_

Licensee: Iomedix

License no: \_\_\_\_\_

Inspection Items	Scheduled for inspection	Post-inspection status	Module no.	766 Time Info
Management meeting - Entrance and Exit Interviews [REQUIRED]	/	C	307038	1/2 hr.
Initial Management Meeting	N/A			
Program requirements, MC 28 [REQUIRED]	/		777108	6 hrs.
Licensee Event Followup	N/A		927008	
Followup on Inspector-identified problems	N/A		927018	
Followup on Noncompliance and Deviations	✓		927028	2 hrs.
IE Bulletin/Immediate Action Letter Followup	N/A		927038	
Followup on Headquarters Requests	N/A		927048	
Followup on Regional Requests			927058	
Independent Inspection Effort [REQUIRED]	✓	<u>inspected</u>	927068	6 hrs
Inspector Dispatched to Site	N/A		937008	
Followup on Significant Event Occurring During Inspection	N/A		937018	

## AREAS INSPECTED AND FINDINGS

777108 - Industrial-Academic

Licenses: Isomedix License no:                      Amendment no:                     

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond <u>14</u>	<u>C</u>
Management organization.	<i>Management has moved to a new location about 2 miles away from production plant, but visit daily and reviews all results and talks with RSD.</i>	
Radiation protection organization.		
NOTES & REMARKS:		
2. <u>Licensee internal audits</u>	Lic Cond <u>14</u>	<u>C</u>
Scope and frequency.	<i>daily by President.</i>	
Management controls.		
NOTES & REMARKS:		
3. <u>Training and instructions to employees</u>	Lic C	<u>C</u>
Training program, scope and frequency, retraining.	Lic Cond <u>14</u>	
Required tests administered; scores satisfactory.		
Instructions to workers.	19.12	
NOTES & REMARKS: <i>new employees have a training program in rules reg + Co procedures</i>		
4. <u>Radiation protection procedures</u>		<u>C</u>
Operating & emergency procedures implemented.	<u>yes</u>	Lic Cond <u>14</u>
Security.	<u>good</u>	20.207
NOTES & REMARKS: <i>only looked only that authorized sales under escort</i>		

## AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License no: \_\_\_\_\_ Amendment no: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
<u>5. Materials, facilities and instruments</u>		
Authorized uses and quantities. <u>yes</u>	Lic Cond _____	
Restricted areas, posting requirements.	20.203	
Survey instruments & dosimeters; operable, properly calibrated.	Lic Cond _____	
<u>NOTES &amp; REMARKS:</u> $2 \times 10^6$ Ci B allowed. in hot cells 1+2 in storage $\rightarrow$ <del>162</del> 162,050 in large AEC pool $\rightarrow$ 1,461,800 Ci (3/1/78)		

6. Receipt and transfer of materials

Procedures implemented, adequate. <u>yes</u>	20.205, 71.51
Transfer of byproduct material.	30.41
Labeling and packaging.	71.5, 49CFR 170-189
Records of receipt, transfer, storage, survey, and monitoring	30.51

NOTES & REMARKS: When cash came in 2/25/78 with 500,000 a AEC  
Smith Transport in tow cashes moved outside  
large crane waiting placed cashes in  
pool opened under water. 40-60 mph on surf.  
Cashed: each now fully loaded  $1.5 \times 10^6$  Ci

7. Personnel protection - external

Personnel monitoring control; minimize exposures, control of accumulated dose. <u>yes</u>	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:

doses lowest since decent effort of early 77  
now doses now in now in 700 mrem/quarter

8. Personnel protection - internal

Airborne concentrations in restricted areas. <u>none detected</u>	20.103
Exposure of minors. <u>none</u>	20.104
Posting of airborne radioactivity areas. <u>NH</u>	20.203
Survey, monitoring requirements; records. <u>✓</u>	20.201, 20.401
Leak tests of sealed sources. <u>yes</u>	Lic Cond <u>13</u>

NOTES & REMARKS:

daily conductivity measurements with variations  
pH 7.1-7.2 bright morning water 4.5 mhos outgoing 6.5  
within acceptable color limits

## AREAS INSPECTED AND FINDINGS

Licensee: License no: Amendment no:

INSPECTION ITEM	CRITERIA	FINDING
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## 9. Effluent control, waste disposal

Release of effluents.	backwashing only	20.106
Waste disposal.	1.2 x 10 <sup>6</sup> Ci/cc	20.301, 20.303, 20.304, 20.305
Procedures, records.	4 times same last inspect records Sept	20.401, Lic Cond

## NOTES &amp; REMARKS:

use new Eberline single channel analyzer MS-2  
 with 2x2 NaI crystal SPA-3-  
 background now only 200 cpm before 150,000  
 good instrument checked by Eberline

## 10. Shipping, shipping incidents

Procedures for pickup, receipt, monitoring of packages.	yes	20.205(b) & (c)
Transportation of licensed material.	none	71.5
Incidents, reports, corrective actions.	none	49CFR 170-189

## NOTES &amp; REMARKS:

## 11. Notifications and reports

To individuals.	N/A	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 &amp; REMARKS:

## 12. Posting of notices

Part 20, license & documents, procedures, notice of violations.	yes	19.11(a)
NRC-3.	posted at all levels	19.11(c)

## NOTES &amp; REMARKS:



INSPECTION REPORT NUMBER \_\_\_\_\_

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AREAS INSPECTED AND FINDINGS

777108 - Industrial-Academic

Licensee: \_\_\_\_\_ License no: \_\_\_\_\_ Amendment no: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
13. <u>Environmental monitoring program</u> Implementation of program, scope and frequency as required. Records maintained, reviewed by management. <b>NOTES &amp; REMARKS:</b>	Lic Cond _____	_____

14. <u>Emergency preparedness</u> Procedures available for incidents and accidents. Training for personnel; coordination with supporting groups and agencies. <b>NOTES &amp; REMARKS:</b>	Lic Cond _____	_____
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15. <u>Other license conditions</u>  <b>NOTES &amp; REMARKS:</b>	Lic _____	_____
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16. <u>Confirmatory measurements</u> Licensee's surveys verified on sampling basis. <b>NOTES &amp; REMARKS:</b>	20.105, 20.201	_____
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17. <u>Independent inspection effort:</u>  <b>NOTES &amp; REMARKS:</b>		_____
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## APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: \_\_\_\_\_

License no: \_\_\_\_\_

Reference

Basis for noncompliance

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

## 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>77-02</u> Type n/c: <u>updat</u> Describe: <u>20.2016</u>	
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Action taken: <u>madequate instruments</u> <u>7 20.106.</u>	<input checked="" type="checkbox"/> OPEN
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now have adequate instruments for  
counting

☐ CLOSED

Report no: _____ Type n/c: _____ Describe: _____	
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Action taken: _____	<input type="checkbox"/> OPEN
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☐ CLOSED

Report no: _____ Type n/c: _____ Describe: _____	
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Action taken: _____	<input type="checkbox"/> OPEN
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☐ CLOSED

Report no: _____ Type n/c: _____ Describe: _____	
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Action taken: _____	<input type="checkbox"/> OPEN
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☐ CLOSED

Report no: _____ Type n/c: _____ Describe: _____	
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Action taken: _____	<input type="checkbox"/> OPEN
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☐ CLOSED



## APPENDIX C - SUPPLEMENTARY INFO

Licensee: \_\_\_\_\_

License no: \_\_\_\_\_

☐ Uncorrected/repeated noncompliance☐ Unresolved items☐ Unusual occurrence, conditions, etc☐ Inspector's comments☐ Basis for change of Category or Priority

Licensee has contaminated waste  
still on hand and maintains  
hot cells with 142 with 160,000 A  
C<sup>60</sup> no use

Is attending to get licensing to  
allow medical use in this cell

Ref keep as special  
with yearly visits

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