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Attached

☐ Appendix A☐ Appendix B☐ Appendix C☐ Memo

Iso mediv  
25 Eastmans Rd  
Parsippany, New Jersey  
 Licensee contact: George Dietz

Telephone no. 201-887-4700License no. 29-1536401 Last amendment and date:                     Category: E, and Priority: 4, as of last amendment.
 Inspection date(s): June 22, 1982 Type of inspection: Special (Unscheduled)  
Announced.

## SUMMARY OF FINDINGS AND ACTION

☒ No noncompliance, clear SBI issued letter  
☐ Noncompliance, Appendix A  
☐ Action on previous noncompliance, Appendix B

☐ Noncompliance, SBI issued  
☐ Regional action      No action  
☐ Supplemental info, Appendix C

## RECOMMENDATIONS

See basis in Appendix C or attached memo.

☐ Change Category to:                      ☐ Change Priority to:                     
☒ Next inspection date: no change

## PERSONS CONTACTED



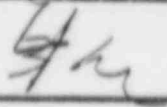
George Dietz - President Cal Wilson - Maintenance  
George Baker - Group General Manager Dave Constructions - General  
Alberto Santiago Maintenance Manager  
Bill McKinnon - Maintenance supervisor

 8507200053 850510  
 PDR FOIA  
 GLOWACKBS-111 PDR
Inspector: [Signature]Approved: [Signature]6/23/826/24/82

Plan Approved: \_\_\_\_\_ Date: \_\_\_\_\_

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

License No: \_\_\_\_\_

Inspection Items	Scheduled for Inspection	Post-Inspection Status	Module No.	766 Time Info
Management Meeting - Entrance and Exit Interviews (Required)			307038	
Program Requirements, MC 2850 (Required)			777108	
Followup on Noncompliance and Deviations			927028	
Independent Inspection Effort (Required)			927068	
Transportation			867408	
Licensee Event Followup		<i>Completed</i>	927008	
Followup on Inspector-Identified Problems			927018	
IE Bulletin/Immediate Action Letter Followup			927038	
Followup on Headquarters Requests			927048	
Followup on Regional Requests			927058	
Inspector Dispatched to Site			937008	
Followup on Significant Event Occurring During Inspection			937018	
Initial Management Meeting			388008	

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## AREAS INSPECTED AND FINDINGS

777102 - Industrial-Academic

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

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond _____	_____
Management organization.		
Radiation protection organization.		

NOTES &amp; REMARKS:

2. <u>Licensee internal audits</u>	Lic Cond _____	_____
Scope and frequency.		
Management controls.		

NOTES &amp; REMARKS:

3. <u>Training and instructions to employees</u>	Lic C	<u>C</u>
Training program, scope and frequency, retraining.	Lic Cond _____	
Required tests administered; scores satisfactory.		
Instructions to workers.	19.12	

NOTES &amp; REMARKS:

Employee had been given instruction as required for license condition - as per conversations with employee and management.

4. <u>Radiation protection procedures</u>		<u>C</u>
Operating & emergency procedures implemented.	Lic Cond _____	
Security.	20.207	

NOTES &amp; REMARKS:

Reviewed procedures for entering hot cell - in compliance with license condition

## AREAS INSPECTED AND FINDINGS

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

INSPECTION ITEM	CRITERIA	FINDING
<u>5. Materials, facilities and instruments</u>		
Authorized uses and quantities.	Lic Cond _____	<u>✓</u>
Restricted areas, posting requirements.	20.203	
Survey instruments & dosimeters; operable properly calibrated.	Lic Cond _____	
NOTES & REMARKS:		
<u>6. Receipt and transfer of materials</u>		
Procedures implemented, adequate.	20.205, 77.57	<u>    </u>
Transfer of byproduct material.	30.47	
Labeling and packaging.	77.5, 49CFR 170-189	
Records of receipt, transfer, storage, survey, and monitoring	30.57	
NOTES & REMARKS:		
<u>7. Personnel protection - external</u>		
Personnel monitoring control; minimize exposures, control of accumulated dose.	20.101, 20.102, 20.202	<u>C</u>
Surveys conducted, adequate.	20.201	
Records of monitoring, surveys, disposals.	20.401, Lic Cond _____	
Levels in unrestricted areas.	20.1, 20.105	
NOTES & REMARKS:		
<u>8. Personnel protection - internal</u>		
Airborne concentrations in restricted areas.	20.103	<u>    </u>
Exposure of minors.	20.104	
Posting of airborne radioactivity areas.	20.203	
Survey, monitoring requirements; records.	20.201, 20.401	
Leak tests of sealed sources.	Lic Cond _____	
NOTES & REMARKS:		

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## AREAS INSPECTED AND FINDINGS

77702 - Industrial-Academic

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

INSPECTION ITEM	CRITERIA	FINDING
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9. Effluent control, waste disposal

Release of effluents.	20.106	
Waste disposal.	20.301, 20.303, 20.304, 20.305	
Procedures, records.	20.407, Lic Cond _____	

NOTES &amp; REMARKS:

10. Shipping, shipping incidents

Procedures for pickup, receipt, monitoring of packages.	20.205(b) & (c)	
Transportation of licensed material.	77.5	
Incidents, reports, corrective actions.	49CFR 170-189	

NOTES &amp; REMARKS:

11. Notifications and reports

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 &amp; REMARKS:

12. Posting of notices

Part 20, license & documents, procedures, notice of violations.	19.11(a)	
NRC-1.	19.11(c)	

NOTES &amp; REMARKS:

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AREAS INSPECTED AND FINDINGS

777108 - Industrial-Academic

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

INSPECTION ITEM	CRITERIA	FINDINGS
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13. <u>Environmental monitoring program</u>	Lic Cond _____	_____
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Implementation of program, scope and frequency as required.  
Records maintained, reviewed by management.

NOTES & REMARKS:

14. <u>Emergency preparedness</u>	Lic Cond _____	_____
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Procedures available for incidents and accidents.  
Training for personnel; coordination with supporting groups and agencies.

NOTES & REMARKS:

15. <u>Other license conditions</u>	Lic _____	_____
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NOTES & REMARKS:

16. <u>Confirmatory measurements</u>		<u>C</u>
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Licensee's surveys verified on sampling basis.

20.105, 20.201

NOTES & REMARKS:

*g/m survey of facility with source in "UP" position*

17. <u>Independent inspection effort</u>		_____
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NOTES & REMARKS:

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APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licenses: \_\_\_\_\_

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 _____	



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APPENDIX 3 - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

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

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

Identification and summary of action taken

Status

Report no: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describes: \_\_\_\_\_

Action taken: \_\_\_\_\_

OPEN

CLOSED

Not reviewed on this inspection

Report no: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describes: \_\_\_\_\_

Action taken: \_\_\_\_\_

OPEN

CLOSED

Report no: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describes: \_\_\_\_\_

Action taken: \_\_\_\_\_

OPEN

CLOSED

Report no: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describes: \_\_\_\_\_

Action taken: \_\_\_\_\_

OPEN

CLOSED

Report no: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describes: \_\_\_\_\_

Action taken: \_\_\_\_\_

OPEN

CLOSED



## APPENDIX C - SUPPLEMENTARY INFO

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

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

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

Inspection limited to a review of circumstances surrounding report of 48 rem on <sup>TLD</sup> film badge of licensee employee (May 1982)

Interviews with personnel denoted on front page revealed the following:

1. there were no unusual incidents during May 1982
2. the employee denied taking the film badge home
3. the employee performed no ~~usual~~ unusual activity or worked in any ~~usual~~ unusual locations during May 1982

Licensee representatives stated that the employee <sup>seasonally</sup> entered the hot cell only after it had been surveyed by authorized operator. He performed routine maintenance on pistons and manual monovalent equipment.

the employee spends 75% in the assembly area for gamma units (category I irradiators). The units are loaded at ORNL with multi-curie quantities of Cs-137. A review of work conditions <sup>in this area</sup> indicated revealed no significant hazard. Radiation levels at the surface of the gamma unit averaged in the order of 10-20 ~~mR/hr~~ <sup>mR</sup>/hour. A  $\approx 100,000$  Ci (Co-60) storage cask is located in the same area and is surrounded by high density brick. Maximum readings were  $< 0.5$  mR/hr. Surveys around the hot cell with the source in the "up" position were ~~not~~ made. These measurements confirmed the licensee's submitted survey (letter July 31, 1981).

~~ALL~~ <sup>TLD</sup> film badges are stored by the timeclock <sup>at the end of each shift</sup> so there is no restricted access to these badges - licensee representatives stated they did not believe that the badge was deliberately exposed.

6/18/82  
145  
PM

Isomax  
Geo Dietz

201-887-4700

For month of May  
48,000 mkem on TLD

Teledyne Bodge

- New employee started 4/14/82
- Ass't maintain man who works with 2 other maintain
- In Training, along works with other
- 17 perm on report -

1500 mkem

1000

1000

TLD on rack by time clock  
No controls

Spoke with man

10 years, did nothing  
out of the ordinary

Was paid for last 4 weeks  
never zero it -

HAS 40 m. H. can

Deliberate reconfirmed  
ending - the Engage &

Two other men from man  
were paid for 4 weeks  
in downtown boy. Duty  
had no record in other  
part of plant

At plant there is a conflict  
Union can in by one vote  
been work for down  
refund of overtime etc



Suggested:

- ① Get CBL on man
- ② Get Keros typing
- ③ Get written statement  
from each man in man
- ④ Record investigation  
results -
- ⑤ Send copy of report  
to NAC