

LICENSE NO: 20-01212-10

DOCKET NO. (s) 030-01833

PAGE OF

ATTACHED

- ☐ Appendix A
☐ Appendix B
☐ Appendix C
☐ None

INSPECTION REPORT NO. 87-001

Massachusetts Eye and Ear Infirmary
243 Charles Street

Boston, Massachusetts 02114

LICENSEE CONTACT: Mr. John McGillivray

Telephone No: (617) 573-3121

LICENSE NO: 20-01212-10

CATEGORY G

PRIORITY: 3

CATEGORY

PRIORITY:

CATEGORY

PRIORITY:

INSPECTION DATE (s): August 12, 1987

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: 8/90

☐ CHANGE PRIORITY TO:

PERSONS CONTACTED

Mr. John McGillivray

Director Safety, Security and parking
573-3121 11:00 - 12:00

Dr. Robert Johnson

Radiation Safety Office (NO

Robert Johnson

Consultant

INSPECTOR: W. Wallace

J. Jensen

APPROVED: John E. Huser

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)	✓	✓	307038
Program Requirements, MC 2850 (Required)	✓	✓	777108
Followup on Noncompliance and Deviations	✓	✓	927028
Independent Inspection Effort (Required)	✓	✓	927068
Transportation			867408

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
6. <u>Receipt and Transfer of Materials</u>		<u>C</u>
Procedures implemented, adequate? <i>OK</i>	20.205, 71.51	
Transfer of byproduct material? <i>OK</i>	30.41	
Control of source material, <i>OK</i>	40.51, 40.64, 70.42, 70.51, 70.53, 70.54	
Labeling and packaging? <i>OK</i>	71.5, 49CFR 170-189	
Records of receipt, transfer, storage, survey, and monitoring? <i>OK</i>	30.51	
Procedures for pickup, receipt, monitoring of packages?	20.205(b)&(c)	
NOTES & REMARKS:		
7. <u>Personnel Protection - External</u>		<u>C</u>
Personnel monitoring control; minimize exposures, control of accumulated dose? <i>✓</i>	20.101, 201.102, 20.202	
Surveys conducted, adequate? <i>✓</i>	20.201	
Records of monitoring, surveys, disposals? <i>✓</i>	20.401, Lic Cond _____	
Levels in unrestricted areas? <i>OK</i>	20.1, 20.105	
NOTES & REMARKS:		
8. <u>Personnel Protection - Internal</u>		<u>✓</u>
Airborne concentrations in restricted areas? <i>NA</i>	20.103	
Exposure of workers? <i>NA none</i>	20.104	
Posting of airborne radioactivity areas? <i>NA</i>	20.203	
Survey, monitoring bioassay requirements; records? <i>NA</i>	20.201, 20.401	
Leak tests of sealed sources?	Lic Cond _____	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
<u>9. Effluent Control, Waste Disposal</u>		
Release of effluents? <i>OK</i>	20.106	<u>C</u>
Waste disposal, proper packaging for shipment? <i>OK</i>	20.301, 20.303, 20.304, 20.305	
Procedures, records? <i>OK</i>	20.401, Lic Cond _____	
NOTES & REMARKS: <i>Disposal calculated monthly</i>		
<i>25 G per year</i>		
<u>10. Transportation</u>		
Management controls, audits? <i>✓</i>		
Selection of packaging?	49 CFR 173.393-5, 10 CFR 71	
Preparation of packages for shipment? <i>Filling</i>	49 CFR 172, 173	
and loading, closing, liquids?	49 CFR 172.300	
Markings & labelling?	49 CFR 172.402, 403	
Monitoring?	49 CFR 173.393	
Shipping papers, loading and placarding of vehicles?	49 CFR 172.200	
Reports of incidents?	49 CFR 171.15, 171.16	
Training program?		
Examination of packages? <i>✓</i>		
NOTES & REMARKS:		
<u>11. Notifications and Reports</u>		
To individuals?	19.13	
Overexposures, excessive levels and concentrations, incidents? <i>None OK</i>	20.403, 20.405	
Personnel exposures and monitoring, termination reports?	20.407, 20.408	
Theft or loss of licensed materials? <i>OK</i>	20.402	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
-----------------	----------	---------

12. Posting of NoticesPart 20, license & documents, procedures, OK
notice of violations?

19.11(a)

NRC-37 OK

19.11(c)

NOTES & REMARKS:

13. Environmental Monitoring Program

Lic Cond _____

Implementation of program, scope and frequency
as required? OKRecords maintained, reviewed by management? OK

NOTES & REMARKS:

14. Emergency Preparedness

Lic Cond _____

Procedures available for incidents and accidents? OKTraining for personnel; coordination with supporting
groups and agencies?

NOTES & REMARKS:

... plan for emergency response ...
... the events of ...
... reports ...

15. Other License Conditions

NOTES & REMARKS:

INSPECTION REPORT NUMBER _____

Page ____ of ____

777108 - Industrial - Academic

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
-----------------	----------	---------

16. Confirmatory Measurements

C

Licensee's surveys verified on sampling basis? 201.105, 20.201

*Measurements were made of spill area
spill area was covered with lucite film
to block non-removable contamination*

NOTES & REMARKS:

< .05 nR/hr

NRC Instrument: _____ Calibration due date: _____

17. Independent Inspection Effort

NOTES & REMARKS:

REGION 1 Form 198-D.3
(July 82)

INSPECTION REPORT NUMBER 87-001

Page _____ of _____

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: Mass. Eye and Ear Infirmary License No: 20-01212-10

Reference

Basis for noncompliance

Report 1 Case _____

10 CFR _____

Lic Cond 250

Type a/c _____

Report item _____

10 CFR _____

Life Cond _____

Type n/c _____

Report item _____

10 CFR _____

Lic Cond _____

Type n/c _____

Report item _____

10 CFR

Lic Cond _____

Type a/c _____

Report 12.000

10 CFR _____

Lic Cont: _____

Type a/c _____

Report 1 Jan _____

10 CFR

Life Cond _____

Type n/c_____

APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: _____

License No: _____

Identification and summary of action taken	Status
--	--------

Report No: _____ Type n/c: IV Describe: Survey meters not calibrated

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

Report No: _____ Type n/c: _____ Describe: _____

Action taken:

OPEN

CLOSED

Report No: _____ Type n/c: _____ Describe: _____

Action taken:

OPEN

CLOSED

INSPECTION REPORT NUM. _____

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 | |
-