

Page 1 of INSPECTION REPORT NO. 80-01

Attached

☐ Appendix A☐ Appendix B☐ Appendix C☐ Memo

Newton Products, Inc.
22301 Mt. Ephraim Road, Box 68
Dickerson, Maryland 20753

Licensee contact: _____ Telephone no. _____

License no. HD-31-015-03 Last amendment and date: 11, 9/19/79Category: E, and Priority: IV, as of last amendment.Inspection date(s): Oct. 31, 1980 Type of inspection: routine/unscheduled

SUMMARY OF FINDINGS AND ACTION

☒ No noncompliance, clear ~~SSI~~ issued POL☐ Noncompliance, SSI issued☐ Noncompliance, Appendix A☐ Regional action No 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

Jerry Legle
Lillian Forrest
Edward Koontz

Inspector: Kenneth F. FriedmanApproved: John KennerB/12
11/3/80

11-18-80

INSPECTION PLAN AND REPORT NUMBER _____

Page ____ of ____

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)			30703B	
Program Requirements, MC 2850 (Required)			77710B	
Followup on Noncompliance and Deviations			92702B	
Independent Inspection Effort (Required)			92706B	
Transportation			86740B	
Licensee Event Followup			92700B	
Followup on Inspector-Identified Problems			92701B	
IE Bulletin/Immediate Action Letter Followup			92703B	
Followup on Headquarters Requests			92704B	
Followup on Regional Requests			92705B	
Inspector Dispatched to Site			93700B	
Followup on Significant Event Occurring During Inspection			93701B	
Initial Management Meeting			38800B	

AREAS INSPECTED AND FINDINGS

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond _____	_____

Management organization.

Radiation protection organization.

NOTES & REMARKS:

*licensed source handler, truck driver,
assistant.*

2. Licensee internal audits

Lic Cond _____

2/2

Scope and frequency.

Management controls.

NOTES & REMARKS:

3. Training and instructions to employees

Lic C

*C*Training program, scope and frequency,
retraining.

Lic Cond _____

Required tests administered; scores
satisfactory.

Instructions to workers.

19.12

NOTES & REMARKS:

4. Radiation protection procedures

Lic Cond _____

*C*Operating & emergency procedures
implemented.

Security.

20.207

NOTES & REMARKS:

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 _____	
Restricted areas, posting requirements.	20.1.1	
Survey instruments & dosimeters; operable, properly calibrated.	Lic Cond _____	
NOTES & REMARKS:	<i>survey instruments + pocket chambers as required.</i>	
<u>6. Receipt and transfer of materials</u>		
Procedures implemented, adequate.	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:	<i>did detection wiped before old source removed 120 calibrated to check source</i>	
<u>7. Personnel protection - external</u>		
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:	<i>max dose to ex person for whole operation</i>	
<u>8. Personnel protection - internal</u>		
Airborne concentrations in restricted areas.	20.103	
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:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent control, waste disposal</u>		<u>h/a</u>
Release of effluents.	20.106	
Waste disposal.	20.301, 20.303, 20.304, 20.305	
Procedures, records.	20.401, Lic Cond _____	

NOTES & REMARKS:

10. Shipping, shipping incidents

Procedures for pickup, receipt, monitoring of packages.	20.205(b) & (c)
Transportation of licensed material.	71.5
Incidents, reports, corrective actions.	49CFR 170-189

NOTES & REMARKS:

truck placarded on arrival, Approved shipping case. External levels ~ 2 mR/hr.

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 & REMARKS:

12. Posting of notices

Part 20, license & documents, procedures, notice of violations.	19.11(a)
NRC-3.	19.11(c)

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

777108 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
13. <u>Environmental monitoring program</u>	Lic Cond _____	<u>2/2</u>
Implementation of program, scope and frequency as required. Records maintained, reviewed by management.		
NOTES & REMARKS:		
14. <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:		
15. <u>Other license conditions</u>	Lic _____	_____
<i>5 yr maintenance performed</i>		
NOTES & REMARKS:		
16. <u>Confirmatory measurements</u>		<u>2</u>
Licensee's surveys verified on sampling basis.	20.105, 20.201	
NOTES & REMARKS:		
17. <u>Independent inspection effort</u>		_____
NOTES & REMARKS:		

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
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 NUMBER _____

Page ____ of ____

APPENDIX C - SUPPLEMENTARY INFO

Licensee: _____

License no: _____

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

- ☐ Unresolved items
- ☐ Inspector's comments

DEC 11 1980

✓
Neutron Products, Inc.
ATTN: Marvin Turkanis
Vice President
22301 Mt. Ephraim Road Box 68
Dickerson, Maryland 20753

Gentlemen:

Subject: Inspection 80-01

This refers to the routine inspection conducted by Dr. L. Friedman of this office on October 31, 1980, at Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, of activities authorized by the NRC General License contained in 10 CFR 150.20 and to the discussions of our findings held by Dr. Friedman with Jerry Fogle and others of your staff at the conclusion of the inspection.

The area examined during this inspection was limited to source change and 5-year maintenance procedures on an AECL Theratron 80 cobalt-60 teletherapy unit. 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 items of noncompliance 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; however, should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

John D. Kinneman, Chief
Materials Radiological Protection

bcc:
IE Mail & Files (For Appropriate Distribution)
Central Files
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
REG:I Reading Room
State of Maryland (2)
Commonwealth of Pennsylvania
License Fee Management Branch

FF&MS
Friedman/mjd
12/8/80

FF&MS
Kinneman
12/10/80

8101260284 1P

B/13



minnesota department of health

717 s.e. delaware st. minneapolis 55440

(612) 296-5221

*Neutron
Products
Dickerson, Md
(non license file)
7/17/81*

June 29, 1981

Ms. Debbie L. Moore
Teletherapy Records
Neutron Products, Inc.
22301 Mt. Ephraim Road, Box 68
Dickerson, Maryland 20753

Dear Ms. Moore:

Through Mr. John D. Kinneman of the U.S. Nuclear Regulatory Commission, Region I, King of Prussia, Pennsylvania, we were informed that your company removed a cobalt-60 teletherapy source from the Metropolitan Medical Center, Minneapolis, MN. The notice from the NRC arrived on April 24, 1981. The source removal according to the copy of Form NRC-241 was accomplished April 22 to April 23, 1981.

The Minnesota Department of Health is concerned about the timely notification of these activities. The NRC does have jurisdiction over these activities. However, the Minnesota Department of Health is responsible for the safety of the people of Minnesota. We are called frequently by the general public to answer questions about radiation placarded vehicles.

The type of vehicle and the size of the transportation cask(s) your company uses to transport teletherapy sources makes your vehicles quite visible to the general public. The activity of the source(s) that your company handles is another reason we are concerned. If we knew in advance when your company had activities in our State, we could respond better to any inquiry or to any emergency situation involving one of your vehicles.

We ask that Neutron Products, Inc. notify the Minnesota Department of Health about radioactive source activities involving Minnesota facilities. This notification should be in writing at least three working days prior to the activities in the State. If the time period, three working days is insufficient for Neutron Products, Inc. to notify the Health Department, a telephone call notifying the Health Department of the activities may be made with a follow-up letter confirming the telephone call and the date(s) of the activities.

B/14

Ms. Debbie L. Moore
Page 2

We appreciate your cooperation with the notification procedure
and other applicable regulations on ionizing radiation.

Sincerely,

Ms. Alice T. Dolezal, Chief
Section of Radiation Control

cc: Robert E. Corcoran
John D. Kinneman