

LICENSE NO: MD-31-C25-C3

DOCKET NO. (s) _____

PAGE _____ OF _____

ATTACHED

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

INSPECTION REPORT NO. 82-01

Manton Products, Inc.
P.O. Box 65 Mt. Ephraim Road
Frickerson, MD 20842

LICENSEE CONTACT: _____ Telephone No: _____

LICENSE NO: MD-31-C25-C3 CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

INSPECTION DATE (s): July 9-10, 1982 TYPE OF INSPECTION: ☐ SPECIAL ☐ ANNOUNCED

☒ ROUTINE ☒ UNANNOUNCED

☒ DAYSHIFT

☐ OTHER

at Bryn Mawr Hospital, Bryn Mawr, Pa

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

Michael Murray
Edward Finn

INSPECTOR: Louise F. Friedman 7/12/82

Teresa Hall Darden 7/12/82

APPROVED: [Signature]
9212110127 920504
PDR FOIA
MOUTVIC92-93 PDR

7/20/82

INSPECTION PLAN AND REPORT NUMBER _____

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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)			92705B
Transportation			86740B

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u> Management organization? Radiation Protection Organization? Scope of Operation? NOTES & REMARKS:	Lic Cond _____	<i>Source change at Bryn Mawr Hospital</i>
2. <u>Licensee Internal Audits</u> Scope and frequency? Management controls? NOTES & REMARKS:	Lic Cond _____	<u>C</u>
3. <u>Training and Instructions to Employees</u> Training program, scope and frequency, retraining? Required tests administered; scores satisfactory? Instructions to workers? NOTES & REMARKS:	Lic Cond _____ 19.12	<u>C</u>
4. <u>Radiation Protection Procedures</u> Operating & emergency procedures implemented? Security? NOTES & REMARKS:	Lic Cond _____ 20.207	<u>C</u>
5. <u>Materials, Facilities and Instruments</u> Authorized uses and quantities? Restricted areas, posting requirements? Survey instruments & dosimeters; operable, properly calibrated? NOTES & REMARKS:	Lic Cond _____ 20.203	<u>C</u> <i>Baseline E-12C Fuelum 14C-</i>

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?	20.205, 71.51	
Transfer of byproduct material?	30.41	
Control of source material,	40.51, 40.64, 70.42, 70.51, 70.53, 70.54	
Labeling and packaging?	71.5, 49CFR 170-189	
Records of receipt, transfer, storage, survey, and monitoring?	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?	20.101, 201.102, 20.202	both min. level
Surveys conducted, adequate?	20.201	w. B. TLD's, write TLD's on both hands, rings,
Records of monitoring, surveys, disposals?	20.401, Lic Cond _____	2 pocket chambers (low + high range)
Levels in unrestricted areas?	20.1, 20.105	
NOTES & REMARKS:		Total exposure for disposal operation ~ 5 mR
8. <u>Personnel Protection - Internal</u>		<u>C</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:		wipe test done before start

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent Control, Waste Disposal</u>		<u>n/a</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:		

10. Transportation

Management controls, audits?

Selection of packaging?

49 CFR 173.393-5, 10 CFR 71

Preparation of packages for shipment? Filling
and loading, closing, liquids?
Markings & labelling?
Monitoring?49 CFR 172.173
49 CFR 172.300
49 CFR 172.402, 403
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?

NOTES & REMARKS:

C

truck placarded
shipping cart had Y III
labels, stencilled
Type B approval on
overpac.

11. Notifications and Reports

To individuals?

19.13

Overexposures, excessive levels and concentrations,
incidents?

20.403, 20.405

Personnel exposures and monitoring, termination
reports?

20.407, 20.408

Theft or loss of licensed materials?

20.402

NOTES & REMARKS:

n/a

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
12. <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:	<i>in procedure book</i>	
13. <u>Environmental Monitoring Program</u>	Lic Cond _____	<u>n/a</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>		_____

NOTES & REMARKS:

INSPECTION REPORT NUMBER _____

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777108 - Industrial - Academic

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
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16. Confirmatory Measurements

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

Head leakage survey done by physicists from Jefferson
Med. Coll. Their readings slightly lower than
mine. Head ~~gasket~~ will be just below or just
above spec.

NOTES & REMARKS:

NRC Instrument: Ludlum 141C Calibration due date: 7/20/8217. Independent Inspection Effort

Pb drawers used. NPI also used
tungsten drawers, does not use depleted uranium.

NOTES & REMARKS:

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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 _____	

(July 82)

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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: _____ 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

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

Action taken: OPEN
CLOSED

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APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: _____ License No: _____

☐ Uncorrected/repeated noncompliance

☐ Unresolved items

☐ Unusual occurrence, conditions, etc

☐ Inspector's comments

☐ Basis for change of Category or Priority

MPI at Bryn Mawr Hospital 5/9-10/82

Milford Murray
Edward Finn

Maryland License No. MD-31-025-03

Survey Instrument - Charlie E-120
Ludlow 14C

both workers were wearing W.B. TLO, most badges, ring badges,
pocket dosimeters.