

LICENSE NO: 29-02786-03

DOCKET NO. (s) 30-06990

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ATTACHED

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

INSPECTION REPORT NO. 83-01

Ethicon, Incorporated
Route 22 W

Somerville, New Jersey

LICENSEE CONTACT: Ed. Kendra, RSO

Telephone No: 201-524-3913

LICENSE NO: 29-02786-03

CATEGORY 1 PRIORITY: E3

CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

INSPECTION DATE (s): 8-18-83

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: 8-18-84

☐ CHANGE PRIORITY TO: _____

PERSONS CONTACTED

E. Kendra, RSO.
V. Folst, General Supervisor, Production Maintenance
Cobalt Facility Operator

8507130359 850502
PDR FOIA
GIDWANIB4-705 PDR

INSPECTOR: C. Lowe

APPROVED: [Signature]

8-23-83

8/23/83 ✓

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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)	C-	C	30703B
Program Requirements, MC 2850 (Required)	C	C	77710B
Followup on Noncompliance and Deviations	—	—	92702B
Independent Inspection Effort (Required)	C	C	92706B
Transportation	C	C	86740B

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77710B - Irradiator

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond _____	<u>C</u>
Management organization?		
Radiation protection organization?		
Scope of program?		
NOTES & REMARKS:	<i>Currently operating 3 shifts x 5 days week.</i>	
2. <u>Licensee Internal Audits</u>	Lic Cond _____	<u>C</u>
Scope and frequency?		
Management controls?		
NOTES & REMARKS:		
3. <u>Training and Instructions to Employees</u>		<u>C</u>
Training program, scope and frequency, retraining?	Lic Cond _____	
Required tests administered; scores satisfactory?		
Instructions to workers?	19.12	
NOTES & REMARKS:	<i>Only one new operator in past two years, most are long term employees. Reviewed record of training and exam</i>	
4. <u>Radiation Protection Procedures</u>		<u>C</u>
Operating & emergency procedures implemented?	Lic Cond _____	
Security?	20.207	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
5. <u>Materials, Facilities and Instruments</u>		<u>C</u>
Authorized uses and quantities?	Lic Cond _____	
Restricted areas, posting requirements?	20.203	
Survey instruments & dosimeters; operable, properly calibrated?	Lic Cond _____	
Independent area radiation monitor?		
Survey meter used on entering HRA?		
NOTES & REMARKS:		

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, SNM?	40.51, 40.64, 70.42, 70.51, 70.53, 70.54	
Records of receipt, transfer, storage, survey and monitoring?	30.51	
NOTES & REMARKS:		

7. <u>Control of High Radiation Area</u>		<u>N/C</u>
* Interlocks, tests, entry control?	20.203(c)(6)	
Action if entry control device fails? YES		
Device to prevent source exposure with individual in chamber? YES		
Level control for liquid shield? YES		
Source exposure procedure? YES		
Control of portals (continuous irradiator)? YES		
NOTES & REMARKS:		

Failure to test interlock prior to operation on non-continuous operating after weekend. 20.203 6(vii)

777108 - Irradiator

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
<u>8. Transportation</u>		
Management controls, audits?		
Selection of packaging?	49 CFR 173.393-5, 10 CFR 71	
Preparation of packages for shipment?	49 CFR 172, 173	
Filling, loading, closing, liquids?	49 CFR 172, 300	
Markings & labelling?	49 CFR 172.403, 402	
Monitoring?	49 CFR 173.393	
Shipping papers, loading & placarding of vehicles?	49 CFR 172.200	
Reports of Incidents?		
Examination of packages?		
NOTES & REMARKS:		
<u>9. 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:		
<u>10. Personnel Protection - Internal</u>		
Airborne concentrations in restricted areas?	20.103 N/A	
Exposure of minors?	20.104 NO	
Posting of airborne radioactivity areas?	20.203 NONE	
Survey, monitoring, bioassay requirements; records?	20.201, 20.401 YES	
Leak tests of sealed sources?	Lic Cond _____ YES	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
11. <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:		
12. <u>Shipping, Shipping Incidents</u>		<u>N/A</u>
Procedures for pickup, receipt, monitoring of packages?	20.205(b) & (c)	
Incidents, reports, corrective actions?	49 CFR 170-189	
NOTES & REMARKS:		
<i>ALL shipping and receipt by FEEL.</i>		
13. <u>Notifications and Reports</u>		<u>C</u>
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:		
14. <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:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
15. <u>Environmental Monitoring Program</u> Implementation of program, scope and frequency as required? Records maintained, reviewed by management? NOTES & REMARKS:	Lic Cond _____	<u>N/A</u>

16. <u>Emergency Preparedness</u> Procedures available for incidents and accidents? Training for personnel; coordination with supporting groups and agencies? NOTES & REMARKS:	Lic Cond _____	<u>C</u>
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17. <u>Other License Conditions</u> NOTES & REMARKS:		<u> </u>
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18. <u>Confirmatory Measurements</u> Licensee's surveys verified on sampling basis? Analysis of pool water sample? NOTES & REMARKS:	20.105, 20.201	<u>C</u>
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NRC Instrument: LUDLUM 14C Calibration Due Date: 10-20-83

19. <u>Independent Inspection Effort</u> NOTES & REMARKS:		<u>C</u>
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APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: _____

License No: _____

Reference	Basis for noncompliance
Report item <u>1</u> 10 CFR <u>20.203 6(vii)</u> Lic Cond _____ Type n/c <u>IV</u>	<i>Licensee failed to make required checks of interlock on days when operations were not continuously uninterrupted during 1983.</i>
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 _____	

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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

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

Action taken: OPEN
CLOSED

APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: _____ License No: _____

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

- ☐ Unresolved items
- ☒ Inspector's comments

Excellent Program
