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Attached

☒ Appendix A☐ Appendix B☐ Appendix C☐ Memo

Ethicon Inc
Route 22
Sumerville N.J. 08876

Licensee contact: E.J. Kendra Telephone no. 201-524-3913License no. 29-02786-03 Last amendment and date: 22 - 11/29/79
29-02786-06 09 - 5/15/79Category: E4, and Priority: 4, as of last amendment.Inspection date(s): 12/18/74 Type of inspection: Routine Unannounced

SUMMARY OF FINDINGS AND ACTION

☐ No noncompliance, clear SSI issued☒ Noncompliance, Appendix A☐ Action on previous noncompliance, Appendix B☐ Noncompliance, SSI 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: 12/82

PERSONS CONTACTED

E.J. Kendra, RSODr. M. Wykoff - UserMr. T. Salt House - UserInspector: [Signature]Approved: [Signature]

8507130346 850502
 PDR FOIA
 GIDWANI84-705 PDR

1/2/80
1/3/80 49

Plan approved: _____ Date: _____

Licensees: _____

License no: _____

Inspection Items	Scheduled for inspection	Post-inspection status	Module no.	766 Time Info
Management meeting - Entrance and Exit Interviews <i>[REQUIRED]</i>	✓	Complete	307038	10 min.
Initial Management Meeting				
Program requirements, MC 28.50 <i>[REQUIRED]</i>	✓	Complete	777108	2 hrs.
Licensee Event Followup			927008	
Followup on Inspector-identified problems			927018	
Followup on Noncompliance and Deviations			927028	
IE Bulletin/Immediate Action Letter Followup			927038	
Followup on Headquarters Requests			927048	
Followup on Regional Requests			927058	
Independent Inspection Effort <i>[REQUIRED]</i>	✓	Complete	927068	2 hrs.
Inspector Dispatched to Site			937008	
Followup on Significant Event Occurring During Inspection			937018	

INSPECTION REPORT NUMBER _____

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AREAS INSPECTED AND FINDINGS

777102 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEMS	CRITERIA	FINDING
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1. OrganizationLic Cond 15E

Management organization.

Radiation protection organization.

NOTES & REMARKS:

2. Licensee internal auditsLic Cond 15E

Scope and frequency.

Management controls.

NOTES & REMARKS:

3. Training and instructions to employees

Lic C

ETraining program, scope and frequency,
retraining.Lic Cond 15Required tests administered; scores
satisfactory.

Instructions to workers.

19.12

NOTES & REMARKS:

4. Radiation protection proceduresLic Cond 15EOperating & emergency procedures
implemented.

Security.

20.207

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
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5. Materials, facilities and instruments

Authorized uses and quantities.

Lic Cond 6,787

Restricted areas, posting requirements.

20.203

Survey instruments & dosimeters; operable, properly calibrated.

Lic Cond _____

NOTES & REMARKS:

6. Receipt and transfer of materials

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:

7. Personnel protection - external

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:

8. Personnel protection - internal

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 11

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

777128 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent control, waste disposal</u>		<u>C</u>
Release of effluents.	20.106	
Waste disposal.	20.301, 20.303, 20.304, 20.305	
Procedures, records.	20.407, Lic Cond _____	

NOTES & REMARKS:

10. <u>Shipping, shipping incidents</u>		<u>C</u>
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:

11. <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:

12. <u>Posting of notices</u>		<u>C</u>
Part 20, license & documents, procedures, notice of violations.	19.11(a)	
NRC-3.	19.11(c)	

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

777102 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
13. <u>Environmental monitoring program</u> Implementation of program, scope and frequency as required. Records maintained, reviewed by management. <u>NOTES & REMARKS:</u>	Lic Cond <u>17</u>	<u>C</u>
14. <u>Emergency preparedness</u> Procedures available for incidents and accidents. Training for personnel; coordination with supporting groups and agencies. <u>NOTES & REMARKS:</u>	Lic Cond <u>P</u>	<u>C</u>
15. <u>Other license conditions</u> <u>NOTES & REMARKS:</u>	Lic	<u>—</u>
16. <u>Confirmatory measurements</u> Licensee's surveys verified on sampling basis. <u>NOTES & REMARKS:</u>	20.105, 20.201	<u>C</u>
17. <u>Independent inspection effort</u> <u>NOTES & REMARKS:</u>		<u>C</u>

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: _____

License no: _____

Reference	Basis for noncompliance
Report item <u>8</u>	The chromatograph detects containing Ni-63 had not been detected for leakage in more than one year.
10 CFR _____	
Lic Cond <u>17</u>	
Type n/c <u>Int.</u>	

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 _____

(201) 664-7070 TELEX 13-4474

E. J. KENDRA

51

Dr. Q. Mahajan



SEALED SOURCE LEAK CHECKS
(Ethicon, Inc., Somerville, NJ)

<u>Description</u>	<u>Source</u>	<u>Activity</u>	<u>Location</u>	<u>Results</u>	
				<u>dpm</u>	<u>μCi</u>
1. Serial No. A452	Ni-63	2.0 mCi	Rm.-207	< 50	< 0.005
2. Serial No. A666	Ni-63	2.0 mCi	Rm.-207	< 50	< 0.005

Dr Ray - Dr. Wright

SMEAR RESULTS



TELEDYNE ISOTOPIES

LOCATION OF SURVEY Rooms 209 A,B

COUNTING INSTRUMENT Liquid Scintillation

SMEAR NO.	H-3 Activity dpm/100 cm ²	C-14 Activity dpm/100 cm ²	
1	< 50	< 50	
2	< 50	< 50	
3	< 50	< 50	
4	< 50	< 50	
5	< 50	< 50	
6	< 50	< 50	
7	< 50	< 50	
8	< 50	< 50	
9	< 50	< 50	
10	< 50	< 50	
11	< 50	< 50	
12	< 50	< 50	
13	< 50	< 50	
14	< 50	< 50	
15	< 50	< 50	

Dr Ray Dr W. Hoff



TELEDYNE
ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION Ethicon, Research Building - Room 209

