

LICENSE NO: 37-82006-09

DOCKET NO. (s) D30-12894

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ATTACHED

- Appendix A
- Appendix B
- Appendix C
- Memo

INSPECTION REPORT NO. 84-01

General Electric Company  
Valley Forge Space Center  
P.O. Box 9555 / Phila. Pa. 19101

LICENSEE CONTACT: Charles Chilton Telephone No: \_\_\_\_\_

LICENSE NO: 37-82006-09 CATEGORY E6 PRIORITY: 3

CATEGORY \_\_\_\_\_ PRIORITY: \_\_\_\_\_

CATEGORY \_\_\_\_\_ PRIORITY: \_\_\_\_\_

INSPECTION DATE (s): 4/8/84 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: \_\_\_\_\_  CHANGE PRIORITY TO: \_\_\_\_\_  
 NEXT INSPECTION DATE: 3/87

Charles Chilton PERSONS CONTACTED  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INSPECTOR: Terese Hall Dunder 4/8/84

APPROVED: [Signature] 4/27/84

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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)			30703B
Program Requirements, MC 2850 (Required)			77710B 1.0
Followup on Noncompliance and Deviations			92702B
Independent Inspection Effort (Required)			92706B
Transportation			86740B

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEMS	CRITERIA	FINDING
<p>1. <u>Organization</u> Management organization? Radiation protection organization? Scope of program? NOTES &amp; REMARKS:</p>	Lic Cond _____	<u>C</u>
<p><i>Irradiator use controlled by authorized users - who maintain key and user log.</i></p>		
<p>2. <u>Licensee Internal Audits</u> Scope and frequency? Management controls? NOTES &amp; REMARKS:</p>	Lic Cond _____	<u>C</u>
<p>3. <u>Training and Instructions to Employees</u> Training program, scope and frequency, retraining? Required tests administered; scores satisfactory? Instructions to workers? NOTES &amp; REMARKS:</p>	Lic Cond _____	<u>C</u>
19.12		
<p>4. <u>Radiation Protection Procedures</u> Operating &amp; emergency procedures implemented? Security? NOTES &amp; REMARKS:</p>	Lic Cond _____	<u>C</u>
20.207		

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
<b>5. <u>Materials, Facilities and Instruments</u></b>		
Authorized uses and quantities?	Lic Cond _____	<u>C</u>
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:		
<b>6. <u>Receipt and Transfer of Materials</u></b>		
Procedures implemented, adequate?	20.205, 71.51	<u>N/A</u>
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:		
<b>7. <u>Control of High Radiation Area</u></b>		
Interlocks, tests, entry control? <i>OK</i>	20.203(c)(6)	<u>C</u>
Action if entry control device fails?		
Device to prevent source exposure with individual in chamber?		
Level control for liquid shield?		
Source exposure procedure? <i>OK</i>		
Control of portals (continuous irradiator)?		
NOTES & REMARKS:		

777108 - Irradiator

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
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8. Transportation N/A

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:

9. Personnel Protection- External C

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:  
*Surveys conducted daily - prior to each deep use*

10. Personnel Protection - Internal C

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:

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
<b>11. <u>Effluent Control, Waste Disposal</u></b>		
Release of effluents?	20.106	<u>14/12</u>
Waste disposal, proper packaging for shipment?	20.301, 20.303, 20.304, 20.305	
Procedures, records?	20.401, Lic Cond _____	
NOTES & REMARKS:		
<b>12. <u>Shipping, Shipping Incidents</u></b>		
Procedures for pickup, receipt, monitoring of packages?	20.205(b) & (c)	<u>OK</u>
Incidents, reports, corrective actions?	49 CFR 170-189	
NOTES & REMARKS:		
<b>13. <u>Notifications and Reports</u></b>		
To individuals?	19.13	<u>OK</u>
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:		
<b>14. <u>Posting of Notices</u></b>		
Part 20, license & documents, procedures, notice of violations?	19.11(a)	<u>OK</u>
NRC-3?	19.11(c)	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
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<p>15. <u>Environmental Monitoring Program</u></p> <p>Implementation of program, scope and frequency as required?</p> <p>Records maintained, reviewed by management?</p> <p>NOTES &amp; REMARKS:</p>	Lic Cond _____	<u>N/A</u>
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<p>16. <u>Emergency Preparedness</u></p> <p>Procedures available for incidents and accidents?</p> <p>Training for personnel; coordination with supporting groups and agencies?</p> <p>NOTES &amp; REMARKS:</p>	Lic Cond _____	<u>C</u>
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<p>17. <u>Other License Conditions</u></p> <p>NOTES &amp; REMARKS:</p>	_____	_____
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<p>18. <u>Confirmatory Measurements</u></p> <p>Licensee's surveys verified on sampling basis?</p> <p>Analysis of pool water sample?</p> <p>NOTES &amp; REMARKS:</p>	20.105, 20.201	_____
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NRC Instrument: \_\_\_\_\_ Calibration Due Date: \_\_\_\_\_

<p>19. <u>Independent Inspection Effort</u></p> <p>NOTES &amp; REMARKS:</p>	_____	_____
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INSPECTION REPORT NUMBER \_\_\_\_\_

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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 _____	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	

APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: \_\_\_\_\_

License No: \_\_\_\_\_

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Identification and summary of action taken	Status
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Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: \_\_\_\_\_ OPEN  
CLOSED

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Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: \_\_\_\_\_ OPEN  
CLOSED

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Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: \_\_\_\_\_ OPEN  
CLOSED

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Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: \_\_\_\_\_ OPEN  
CLOSED

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Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: \_\_\_\_\_ OPEN  
CLOSED

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Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: \_\_\_\_\_ OPEN  
CLOSED

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

*good control of irradiation use - all uses & users are documented in log.*