

INSPECTION REPORT NO. 82-01

Attached

- Appendix A
- Appendix B
- Appendix C
- Memo

U.S. Army Electronics R&D Command (ERADCOM)  
Fort Monmouth, N.J.

Licenses contact: \_\_\_\_\_ Telephone no. (201) 544-5292

License no. 29-01022-06, -07, -10 Last amendment and date: \_\_\_\_\_  
SN7-1323 54B-1183

Category: E, and Priority: IV, as of last amendment.

Inspection date(s): 1/21/82 Type of inspection: routine/announced

SUMMARY OF FINDINGS AND ACTION

- No noncompliance, clear 591 issued
- Noncompliance, Appendix A
- Action on previous noncompliance, Appendix B
- Noncompliance, 591 issued
- Regional action Hq action
- Supplemental info, Appendix C

RECOMMENDATIONS

See basis in Appendix C or attached memo.

- Change Category to: \_\_\_\_\_
- Change Priority to: \_\_\_\_\_
- Next inspection date: \_\_\_\_\_

PERSONS CONTACTED

\* Johnson D. Chappala, alt. RSO Stanley Kronenberg, Chief  
Steve Horne, temp. RSO high energy process  
Harry Giesteloff, Sqr. Coordinator \* Walter McAfee, Scientific Adv.  
Robert A. Lux, Ph.D. \* Col. Harvey Reynolds, Dept. CO,  
Admin. ERADCOM, Ft. Mon.

Inspector: Lawrence F. Friedman 3/16/82

Approved: John D. Kinnema 66/17 3/16/82

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
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1. Organization

Lic Cond \_\_\_\_\_

Management organization.  
Radiation protection organization.

*almost all sealed sources  
little procurement last 3 years.*

NOTES & REMARKS:

*Committee meets regularly.*

2. Licensee internal audits

Lic Cond \_\_\_\_\_

Scope and frequency.  
Management controls.

*RSO post has been vacant 3 mos  
J. Choppala from ERADCOM:HQ, Adelphi, Md.  
Active Home filling in. Recruitment  
not going well*

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

C

Operating & emergency procedures  
implemented.

Lic Cond \_\_\_\_\_

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 _____	<u>C</u>
Restricted areas, posting requirements.	20.203	
Survey instruments & dosimeters; operable, properly calibrated.	Lic Cond _____	
<u>NOTES &amp; REMARKS:</u>		
<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	
<u>NOTES &amp; REMARKS:</u>		
<i>none recently</i>		
<u>7. Personnel protection - external</u>		
Personnel monitoring control; minimize exposures, control of accumulated dose.	20.101, 20.102, 20.202	<u>C</u>
Surveys conducted, adequate.	20.201	
Records of monitoring, surveys, disposals.	20.401, Lic Cond _____	
Levels in unrestricted areas.	20.1, 20.105	
<u>NOTES &amp; REMARKS:</u>		
<u>8. Personnel protection - internal</u>		
Airborne concentrations in restricted areas.	20.103	<u>C</u>
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 _____	
<u>NOTES &amp; REMARKS:</u>		

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License no: \_\_\_\_\_ Amendment no: \_\_\_\_\_

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

NOTES & REMARKS:

<b>10. Shipping, shipping incidents</b>		
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: *none*

<b>11. Notifications and reports</b>		
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:

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

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

777103 - Industrial-Academic

Licensee: \_\_\_\_\_ License no: \_\_\_\_\_ Amendment no: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
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<p>13. <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>	<p>Lic Cond _____</p>	<p><u>C</u></p>
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<p>14. <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>	<p>Lic Cond _____</p>	<p><u>C</u></p>
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<p>15. <u>Other license conditions</u></p> <p>NOTES &amp; REMARKS:</p>	<p>Lic _____</p>	<p><u>C</u></p>
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<p>16. <u>Confirmatory measurements</u></p> <p>Licensee's surveys verified on sampling basis.</p> <p>NOTES &amp; REMARKS:</p>	<p>20.105, 20.201</p> <p><i>no detectable <sup>60</sup>Co in pool water</i></p> <p><i>500 ml sample, 1000 sec count, GeLi detector</i></p>	<p><u>C</u></p>
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<p>17. <u>Independent inspection effort</u></p> <p>NOTES &amp; REMARKS:</p>		<p><u>C</u></p>
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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 \_\_\_\_\_

APPENDIX B - LICENSE ACTION ON PREVIOUS INSPECTION FINDINGS

Licenses: \_\_\_\_\_

License no: 29-01022-06

Identification and summary of action taken

Status

Report no: 79-01 Type n/c: I Describe: 20.105(b) levels outside bldg. 401  
 Action taken: area roped off at fence line 0.2 mpp/hr levels <sup>calibration factor</sup>  
 OPEN  
 CLOSED

Report no: 79-01 Type n/c: F Describe: 20.207 <sup>5 mCi Cs-137</sup> calibrator maintenance  
 Action taken: locked in cabinet  
 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 INFO

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

License no: \_\_\_\_\_

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

- Unresolved items  
 Inspector's comments

-06 accelerator at Gateway to be dismantled. Possibility of  $^3\text{H}_2\text{O}$  contamination

125 KCi  $^{60}\text{Co}$  pool sources + vault sources to be disposed of.

Ni-63 source explained in correspondence

3/16/82 telcon Steve Horne

accelerator at Gateway partially dismantled removed as radwaste. Balance will be surveyed + accounted or disposed of.

ERADCOM recruiting going well. Steve & others covering in interim. Complete audit of program performed. All material not being used will be disposed of. Scope of license will be reduced.

U. S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

REGION I

Docket No.:

License No.:

Licensee:

Inspection dates:

Inspector(s):

Scope of Inspection:

Summary of findings and proposed enforcement action:

Package inspection results:

Number of packages opened: \_\_\_\_\_ (If none, explain why)

Results:

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