

LICENSE NO: 20-20626-01

DOCKET NO. (s) 030-20002

*Touchstone Envt. Consultants  
Winchester, MA*

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ATTACHED

- Appendix A
- Appendix B
- Appendix C
- Memo

INSPECTION REPORT NO. 85-01

LICENSEE CONTACT: Dr. Francis J. Berlandi

Telephone No (617) 729-8450

LICENSE NO: \_\_\_\_\_

CATEGORY K PRIORITY: 7

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

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

INSPECTION DATE (s): 7/16/85

- 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: none scheduled

CHANGE PRIORITY TO: \_\_\_\_\_

PERSONS CONTACTED

William W. Morgayzel, Jr.  
Laboratory Supervisor

INSPECTOR: [Signature]

APPROVED: [Signature]

7/24/85

A/3

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
Followup on Noncompliance and Deviations	<i>NA</i>	<i>/</i>	92702B
Independent Inspection Effort (Required)	✓	✓	92706B
Transportation	✓	✓	86740B

AREAS INSPECTED AND FINDINGS

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

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond _____	<u>C</u>
<p>Management organization? <input checked="" type="checkbox"/></p> <p>Radiation Protection Organization? <input checked="" type="checkbox"/></p> <p>Scope of Operation? <i>Small program 1 Ni-63 ECD</i></p> <p>NOTES &amp; REMARKS: <i>one operator = Mogayzel</i></p>		
2. <u>Licensee Internal Audits</u>	Lic Cond _____	<u>C</u>
<p>Scope and frequency? <i>none</i></p> <p>Management controls? <input checked="" type="checkbox"/></p> <p>NOTES &amp; REMARKS:</p>		
3. <u>Training and Instructions to Employees</u>	Lic Cond _____	<u>C</u>
<p>Training program, scope and frequency, retraining?</p> <p>Required tests administered; scores satisfactory?</p> <p>Instructions to workers? 19.12</p> <p>NOTES &amp; REMARKS:</p>		
4. <u>Radiation Protection Procedures</u>	Lic Cond _____	<u>C</u>
<p><i>NA</i> Operating &amp; emergency procedures implemented?</p> <p><input checked="" type="checkbox"/> Security? 20.207</p> <p>NOTES &amp; REMARKS:</p>		
5. <u>Materials, Facilities and Instruments</u>	Lic Cond _____	<u>C</u>
<p><input checked="" type="checkbox"/> Authorized uses and quantities?</p> <p><i>NA</i> Restricted areas, posting requirements? 20.203</p> <p><i>NA</i> Survey instruments &amp; dosimeters; operable, properly calibrated?</p> <p>NOTES &amp; REMARKS:</p>		

## AREAS INSPECTED AND FINDINGS

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

INSPECTION ITEM	CRITERIA	FINDING
<u>6. 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: <i>no transfers as of 7/16/85</i>		
<u>7. Personnel Protection - External</u>		<u>NA</u>
Personnel monitoring control; minimize exposures, control of accumulated dose?	20.101, 201.102, 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>8. 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? <i>OK</i>	Lic Cond _____	
NOTES & REMARKS:		

## AREAS INSPECTED AND FINDINGS

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

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent Control, Waste Disposal</u>		<u>NA</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. <u>Transportation</u>		<u>NA</u>
Management controls, audits?		
Selection of packaging?	49 CFR 173.393-5; 10 CFR 71	
Preparation of packages for shipment? Filling and loading, closing, liquids?	49 CFR 172.173 49 CFR 172.300	
Markings & labelling?	49 CFR 172.402, 403	
Monitoring?	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:		
11. <u>Notifications and Reports</u>		<u>C</u>
To individuals? <u>NA</u>	19.13	
Overexposures, excessive levels and concentrations, incidents? <u>none</u>	20.403, 20.405	
Personnel exposures and monitoring, termination reports? <u>NA</u>	20.407, 20.408	
Theft or loss of licensed materials? <u>none</u>	20.402	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

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

INSPECTION ITEM	CRITERIA	FINDING
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12. <u>Posting of Notices</u>		<u>0</u>
Part 20, license & documents, procedures, notice of violations?	19.11(a)	
NRC-3?	19.11(c)	
NOTES & REMARKS:		

13. <u>Environmental Monitoring Program</u>	Lic Cond _____	<u>NA</u>
Implementation of program, scope and frequency as required?		
Records maintained, reviewed by management?		
NOTES & REMARKS:		

14. <u>Emergency Preparedness</u>	Lic Cond _____	<u>NA</u>
Procedures available for incidents and accidents?		
Training for personnel; coordination with supporting groups and agencies?		
NOTES & REMARKS:		

15. <u>Other License Conditions</u>		<u>0</u>
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NOTES & REMARKS:

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777108 - Industrial - Academic

AREAS INSPECTED AND FINDINGS

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

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INSPECTION ITEM	CRITERIA	FINDING
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16. Confirmatory Measurements \_\_\_\_\_

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

NOTES & REMARKS:

NRC Instrument: \_\_\_\_\_ Calibration due date: \_\_\_\_\_

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17. Independent Inspection Effort \_\_\_\_\_

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 _____	
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
- Unusual occurrence, conditions, etc
- Basis for change of Category or Priority
- Unresolved items
- Inspector's comments

General Environmental Consulting Firm  
Small program - one (1) Ni-63 Chromatograph  
not in constant (daily) use  
One operator, William W. Magayzel Jr.  
(under supervision of Dr. Berlandi)