

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. Moqayzel, Jr.
Laboratory Supervisor

INSPECTOR: [Signature]

APPROVED: [Signature]

A/3

7/24/85

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

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
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,	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>	
7. <u>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:		
8. <u>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
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>

NOTES & REMARKS:

INSPECTION REPORT NUMBER _____

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777108 - Industrial - Academic

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

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: _____

17. Independent Inspection Effort

NOTES & REMARKS:

INSPECTION REPORT NUMBER _____

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APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: _____

License No: _____

Reference	Basis for noncompliance
<hr/>	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c_____	
<hr/>	
Report item _____	
10 CFR _____	
Lic Cond _____	
Type n/c _____	
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Report item _____	
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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
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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

INSPECTION REPORT NUMBER _____

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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)