

Page 1 of INSPECTION REPORT NO. 7801

Attached

Novo LAB.☐ Appendix ANovo Lab☐ Appendix BWilson Conn☐ Appendix C☐ MemoLicensee contact: Dr. W. W. W. W. W. Telephone no. 203-762-2901License no. 06-17718-01 Last amendment and date: Category: E, and Priority: 4, as of last amendment.Inspection date(s): 12/27/78 Type of inspection:

SUMMARY OF FINDINGS AND ACTION

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

RECOMMENDATIONS

See basis in Appendix C or attached memo.

☐ Change Category to: ☐ Change Priority to: ☐ Next inspection date: 12/88

PERSONS CONTACTED

Dr. DILIP RAY, Mgr of Regulatory AffairsBOB STARNES, Chemist — (only user thus far)Ann Palmer, Chemist — NOT yet usedInspector: C. StearnsApproved: R. O. McEllenbachB/81/5/791/8/79

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	✓
Initial Management Meeting				
Program requirements, MC 28 [REQUIRED]			77710B	✓
Licensee Event Followup			92700B	
Followup on Inspector-identified problems			92701B	
Followup on Noncompliance and Deviations			92702B	
IE Bulletin/Immediate Action Letter Followup			92703B	
Followup on Headquarters Requests			92704B	
Followup on Regional Requests			92705B	
Independent Inspection Effort [REQUIRED]			92706B	✓
Inspector Dispatched to Site			93700B	
Followup on Significant Event Occurring During Inspection			93701B	

AREAS INSPECTED AND FINDINGS

777108 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEMS	CRITERIA	FINDING
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1. Organization

Lic Cond _____

Management organization.

Radiation protection organization.

NOTES & REMARKS:

Dr. Weibel is RSO — (He was absent on day of inspection)

R. Starnes — only person using them for (under supervision of Weibel)

2. Licensee internal audits

Lic Cond _____

Scope and frequency.

Management controls.

NOTES & REMARKS:

Geo Holman, consultant has visited 3 times

3. Training and instructions to employees

Lic 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

Lic Cond _____

Operating & 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.

Restricted areas, posting requirements.

Survey instruments & dosimeters; operable, properly calibrated.

NOTES & REMARKS:

Liquid Scintillation counter used for sample

Lic Cond _____

20.205

Lic Cond _____

only use so far has been ~30 uCi H-3

chemical modification and purification was done on this H-3. Capped compound in anticipation of some binding studies of doing on it in the future

6. Receipt and transfer of materials

Procedures implemented, adequate.

Transfer of byproduct material.

Labeling and packaging.

Records of receipt, transfer, storage, survey, and monitoring

NOTES & REMARKS:

20.205, 71.51

30.41

71.5, 49CFR 170-189

30.57

n.p.

7. Personnel protection - external

Personnel monitoring control; minimize exposures, control of accumulated dose.

Surveys conducted, adequate.

Records of monitoring, surveys, disposals.

Levels in unrestricted areas.

NOTES & REMARKS:

20.101, 20.102, 20.202

20.201

20.401, Lic Cond _____

20.1, 20.105

H-3 only

Surveys following the only use thus far - (50 uCi H-3) records of results - B.C.

8. Personnel protection - internal

Airborne concentrations in restricted areas.

Exposure of minors.

Posting of airborne radioactivity areas.

Survey, monitoring requirements; records.

Leak tests of sealed sources.

NOTES & REMARKS:

20.103

20.104

20.203

20.201, 20.401

Lic Cond _____

no problem

AREAS INSPECTED AND FINDINGS

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent control, waste disposal</u>		
Release of effluents.	20.106	
Waste disposal.	20.301, 20.303, 20.304, 20.305	<i>no fault</i>
Procedures, records.	20.401, Lic Cond _____	

NOTES & REMARKS:

10. <u>Shipping, shipping incidents</u>		
Procedures for pickup, receipt, monitoring of packages.	20.205(b) & (c)	<i>n.d.</i>
Transportation of licensed material.	71.5	
Incidents, reports, corrective actions.	49CFR 170-189	<i>none</i>

NOTES & REMARKS:

11. <u>Notifications and reports</u>		
To individuals.	19.13	
Overexposures, excessive levels & concentrations, incidents.	20.403, 20.405	<i>4-3 only</i>
Personnel exposures and monitoring, termination reports.	20.407, 20.408	
Theft or loss of licensed material.	20.402	<i>none</i>

NOTES & REMARKS:

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

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

777103 - 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. NOTES & REMARKS:	Lic Cond _____ <i>m/a</i>	_____
14. <u>Emergency preparedness</u> Procedures available for incidents and accidents. Training for personnel; coordination with supporting groups and agencies. NOTES & REMARKS:	Lic Cond _____ <i>m-a</i>	_____
15. <u>Other license conditions</u> NOTES & REMARKS: <i>Cond 14 no use in license or distributed to public</i>	Lic _____	_____
16. <u>Confirmatory measurements</u> Licensee's surveys verified on sampling basis. NOTES & REMARKS:	20.105, 20.201	_____
17. <u>Independent inspection effort</u> NOTES & REMARKS:		_____

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 - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: _____

License no: _____

Identification and summary of action taken	Status
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

APPENDIX C - SUPPLEMENTARY INFO

Licensee: _____

License no: _____

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

- ☐ Unresolved items
- ☐ Inspector's comments