

MATERIALS INSPECTION
FIELD NOTES

INSPECTION REPORT NO. 86-01

Attached

Licensee: Met Labs, Inc.
Street: 411 Industrial Drive
City, State: Hampton, Va. 23611

- Appendix A
- Appendix B
- Appendix C
- Memo * 1-52-86

Licensee contact: Oscar Ward, President Telephone No.: 814-827-7176

License No.: 45-09963-01 Last amendment and date:

Category: C1, and Priority: 1, as of last amendment.

Inspection date(s): July 16-17, 1986 Type of inspection: Routine Limited

SUMMARY OF FINDINGS AND ACTION

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

RECOMMENDATIONS

See Basis in Appendix C or attached memo.

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

PERSONS CONTACTED

Oscar Ward, President
Helen-Carole Mason, Administrative Officer

8609300100 860923
PDR FOIA
WARD86-654 PDR

Inspector: Claude A. Rowe

7-23-86

Approved: [Signature]

7/24/86

*Use current ROI 0915. Standard Forms
**Use for actions not documented in a prior licensee response
***Use for inspector evaluation or recommendations

INSPECTION PLAN AND REPORT NUMBER: 86-01

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Licensee: Met Labs, Inc.

License No.: 45-09963-01

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)				
Licensee Event Followup			92700B	
Followup on Inspector-identified problems			92701B	
Followup on Noncompliance and Deviations			92703B	
IE Bulletin/Immediate Action Letter Followup			92703B	
Followup on head-quarters Requests			92704B	
Followup on Regional Requests			92705B	
Independent Inspection Effort (Required)				
Inspector Dispatched to Site			93700B	
Followup on Significant Event Occurring During Inspection			93701B	
Closeout Inspection and Survey			83890	
Inspection of Transportation Activities			86740	
Licensed Materials Programs			87100	
RadWaste Management/ Waste Generators			84850	

AREAS INSPECTED AND FINDINGS

Licensee: Met Labs Inc., License No.: 45-29963-01 Amendment No.:

INSPECTION ITEM	CRITERIA	FINDING
1. <u>Management control systems</u>	Lic Cond _____	<u>OK</u>
Structure of organization as described in license requirements	<i>O. Ward did not have copy of C.A.L.</i>	<i>Mr. Ward is the only full time radiog.</i>
Supervision of user personnel	<i>moved to Bell St. on 4/15/86</i>	<i>No radiography since 1/13/86</i>
NOTES:	\$34.44	<i>Recommendation #2, not having no use since memo/letter</i>
- Radiographer surveillance of operations	\$34.41	<i>No recorded audit. O. Ward was present at all users in 1/86</i>
Compliance with reciprocity requirements	\$150.20 \$150.7	
2. <u>Training and qualification of personnel</u>	Lic Cond _____	<u>Violation</u>
Training & retraining conducted as required	\$34.31	
Written & oral exams conducted? Examination results reviewed by management		
Instructions to workers per 19.12	\$19.12	
NOTES:	R.G. 8.13* R.G. 8.27* R.G. 8.29*	
<i>No annual retraining for O. Ward</i>		
3. <u>Licensee internal audits</u>	Lic Cond _____	
Scope and frequency of audits as required		
Conducted by appropriate persons? Records maintained? Reviewed by management Deficiencies identified & corrected		
NOTES & REMARKS:		<i>No audits in 1986, however, Mr. Ward was present during only three uses of material in 1986 (January)</i>

*If incorporated by reference into a License Condition

AREAS INSPECTED AND FINDINGS

Licensee: Met Lab, Inc. License No.: 45-09963-01 Amendment No.:

INSPECTION ITEM	CRITERIA	FINDING
4. <u>Inspection and maintenance</u>	Lic Cond <u> </u>	<u>OK</u>
Program implemented for devices and <i>yes</i> storage containers	§34.28	
Records maintained, reviewed by management <i>yes</i>	§34.32(i)	
NOTES: <i>Inspection and maintenance program has been reimplemented. Records were reviewed by inspector and indicated maintenance last performed in June 1986.</i>		
5. <u>Operating & emergency procedures; regulations</u>		<u>OK</u>
Parts 19, 20, 34 and operating & emergency <i>yes</i> procedures furnished radiographers	§34.32	
Utilization log maintained, contain required <i>yes</i> information	§34.27	
Quarterly inventories conducted, contain <i>yes</i> required information	§34.26	
NOTES:		
6. <u>Uses of materials, facilities and equipment</u>		<u>Violation</u>
Procurement and use as required	Lic Cond <u> </u>	
Facility as required by license? Access & exit controls as required	Lic Cond <u> </u> , §20.203(c)(2), 20.203(c)(3)	
Alarm devices & interlocks functioning	§34.29 <i>N/A</i>	
Devices locked, devices & storage containers secured, keys or access controlled	§34.22, 34.23, 20.207 <i>OK</i>	

*Licensee had moved to new location and had
not informed the NRC of the change of address.*

AREAS INSPECTED AND FINDINGS

Licensee: M. J. Labs, Inc., License No.: 45-09963-01 Amendment No.:

INSPECTION ITEM	CRITERIA	FINDING
(cont'd)		
Field operations authorized? Access controlled and areas posted		
Survey meters calibrated & operable, calibrated at 3-month interval, 2-1000 mr/hr range	§34.24, 34.43	yes, <i>Stuhli</i> 3/7/86 11-2585 out for
Special equipment (shields, collimators) used as required <i>on Pb wall</i>	Lic Cond	<i>calib. now</i>
Radiation levels for radiographic exposure devices and containers	§34.21	
Storage precautions, devices locked & secured against tampering or removal	§34.23	

NOTES:

7. Personnel monitoring control	§34.33	
Each individual have badge & dosimeter, dosimeter range 0-200 mr. Read and charged daily. Records maintained	§34.33(a)	
Exposure records (NRC-4 or -5) maintained, available for employee review	§20.102(b), 20.401(a)	
Annual report to NRC. Termination reports to NRC <i>yes</i>	§20.407, 20.408	
Reports to individuals	§19.13	
Overexposures? <i>None</i>	§20.403, 20.405	
Dosimeter checked annually <i>11/85</i>	§34.33(c)	

NOTES:

Stuhli

AREAS INSPECTED AND FINDINGS

Licensee: Met Labs, Inc. License No.: 45-09943-01 Amendment No.:

INSPECTION ITEM	CRITERIA	FINDING
8. <u>Leak tests</u>	§34.25	<u>OK</u>
Performed by authorized persons & method <i>yes</i>	Lic Cond <u> </u>	
Performed at 6-month intervals <i>yes</i>		
Records maintained, any leaking sources, <i>no</i> reports submitted		
NOTES:		
<i>2/14/86 < 0.001 µCi Tech Ops Ir-192</i>		
9. <u>Surveys</u>		<u>OK</u>
Surveys conducted, adequate <i>yes</i>	§20.201, 34.43(b) & (c)	
Survey records maintained <i>yes</i>	§20.401(b), 34.43(d)	
Radiation levels in unrestricted areas <i>OK</i>	§20.105	
NOTES:		
<i>Based on record review of their use of source in January 1986</i>		
10. <u>Posting and labeling</u>	§20.203, 19.11	<u>OK</u>
CHRA, CRA, CRM posted? Meet requirements		
Devices & storage containers labeled <i>yes</i>		
Storage room or areas posted <i>yes</i>	§34.42	
Part 20, license, documents, procedures, notice of violations posted	§19.11(a)	
NRC-3 posted <i>yes</i>	§19.11(c)	
NOTES:		

AREAS INSPECTED AND FINDINGS

Licensee: Met Labs, Inc., License No.: 45-09963-C1 Amendment No.:

INSPECTION ITEM	CRITERIA	FINDING
11. <u>Other license conditions</u>	Lic Cond	<u> </u>

Discussed all license conditions with Mr. Ward

NOTES:

12. <u>Independent measurements</u>	§20.105, 20.201, 34.21	<u> </u>
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NOTES: NRC instrument , calibrated

13. <u>Receiving & shipping of material</u>		<u> </u>
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Written procedures for pickup, receiving, opening packages ✓	§20.205	
Survey of packages when received <i>N/A</i>	§20.205(c)(1)	
Records of survey of packages <i>N/A</i>	§20.401(b)	
Shipment of sources since last inspection <i>YES</i> Authorized containers used, shipping papers & package labels proper	§71.5	
Transfer of material proper, transfer records maintained	§30.41, 30.51	
Any shipping incidents, reported <i>none</i>	§71.5	

NOTES:

No receipt or ~~transfer~~^{check} of material since last inspection.

Source transported 3 times in January for field radiography. Less than the quantity of material as per U.S. program required for transfer.

AREAS INSPECTED AND FINDINGS

Licensee: Met Labs, Inc. License No.: 45-09963-01 Amendment No.:

INSPECTION ITEM	CRITERIA	FINDING
14. <u>Independent inspection effort</u>		
a. Visual inspection of exposure devices, crank out devices, pigtail assemblies, guide tubes, and source changers.		
b. Does the radiographer understand how to do his job safely?		
<i>Material was all packaged from recent move into new facility.</i>		
<i>Discussed lack of response to C.A.L. with licensees, and necessity for quick and timely responses.</i>		

RADIOGRAPHY/WELL-LOGGING

15. TRANSPORTATION (10 CFR 71.5a and 49 CFR 171-17B)

	<u>yes</u> ()	<u>N/A</u> ()	<u>Vio.</u> ()
a. License makes shipments of RAM? Such Shipments are: () delivered to Common Carriers? () transported in licensee's own vehicle as private carrier? () both?			
if a above is yes, complete following items:			
b. Are Authorized Packages Used? [173.415-416]	()	()	()
Types used:			
() DOT-7A, Type A [173.415(a)]	()	()	()
Performance test records on file?	()	()	()
() DOT-55 [173.416(a)]	()	()	()
License aware of 6/30/85 Cutoff on use?	()	()	()
() NRC-Certified [173.416(b)]	()	()	()
NRC COC's on file? [71.12(c)(1)]	()	()	()
Registered with NRC as user? [71.12(c)(3)]	()	()	()
Documented NRC-Approved Q/A program? [71.12(b)]	()	()	()
NRC Q/A Approval No.: <u>0448 Exp. 7/31/86</u>			
() Other: _____			
c. Special Form Material performance test records Available for each Source Design? [173.416(a)]	()	()	()
d. Packages Labeled as required? [173.403(a)] () Excepted () WI () YII () YIII Surveys performed to select correct label Category and compliance with Rad. limits? [173.474(i)]	()	()	()
e. Packages marked with required markings, i.e., proper shipping name, Spec. No., COC No., etc. [172.300]	()	()	()
f. Shipping Papers prepared for each shipment? [172.200] Such papers contain required information? [172.203(d)]	()	()	()
g. For licensee Private Carrier Shipments: Vehicles placarded as required? [172.500] Cargo blocked, braced, tied down in vehicle [177.842(d)] Any incidents reported to DOT? [171.15-16]	()	()	()

NOTES/COMMENTS :