

LICENSE NO: 06-13053-04

DOCKET NO. (s) 030-30292

FILE

PAGE _____ OF _____

ATTACHED

- Appendix A
- Appendix B
- Appendix C
- Memo

INSPECTION REPORT NO. 88-00

Miles, Inc.
Miles Research Center
400 Morgan Lane

LICENSEE CONTACT: Peter Rae

Telephone No: _____

LICENSE NO: 06-13053-04

CATEGORY E PRIORITY: 5

CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

INSPECTION DATE (s): February 10, 1988

- 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: 2/93

CHANGE PRIORITY TO: _____

PERSONS CONTACTED

Tom Barnett
Peter Rae
Tracy Pearson

Sr. Staff Scientist 7
Sr. Staff Scientist
Regulatory Affairs

INSPECTOR: Waymon L. Wallace

APPROVED: [Signature]

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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			92702B
Independent Inspection Effort (Required)	✓	✓	92706B
Transportation			86740B

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEMS	CRITERIA	FINDING
<p>1. <u>Organization</u></p> <p>Management organization? Radiation Protection Organization? Scope of Operation? NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><u>C</u></p>
	<p><i>Peter Rae Principle staff scientist R.S.O. Gordon Polley President of Molecular Phys.</i></p> <p><i>3 mCi/month</i></p>	
<p>2. <u>Licensee Internal Audits</u></p> <p>Scope and frequency? Management controls? NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><u>C</u></p>
	<p><i>audit is done quarterly by R.S.O.</i></p>	
<p>3. <u>Training and Instructions to Employees</u></p> <p>Training program, scope and frequency, retraining? Required tests administered; scores satisfactory? Instructions to workers? <input checked="" type="checkbox"/> NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><u>C</u></p>
	<p><i>Personnel consultation with new employees including emergency procedures</i></p> <p><u>19.12</u></p>	
<p>4. <u>Radiation Protection Procedures</u></p> <p>Operating & emergency procedures implemented? Lic Cond _____ Security? <input checked="" type="checkbox"/> NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><u>C</u></p>
	<p><u>20.207</u></p>	
<p>5. <u>Materials, Facilities and Instruments</u></p> <p>Authorized uses and quantities? Restricted areas, posting requirements? <input checked="" type="checkbox"/> Survey instruments & dosimeters; operable, properly calibrated? NOTES & REMARKS:</p>	<p>Lic Cond _____</p>	<p><u>C</u></p>
	<p><u>20.203</u></p> <p><i>E-120 E</i></p>	<p><i>July 18, 1988</i></p>

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
6. <u>Receipt and Transfer of Materials</u>		
Procedures implemented, adequate?	20.205, 71.51	<u>C</u>
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:		
7. <u>Personnel Protection - External</u>		
Personnel monitoring control; minimize exposures, control of accumulated dose?	20.101, 201.102, 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	
NOTES & REMARKS:		
8. <u>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 bioassay requirements; records?	20.201, 20.401	
Leak tests of sealed sources? <i>None</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>		
Release of effluents? <i>N/C Record</i>	20.106	<u>N/C</u>
Waste disposal, proper packaging for shipment?	20.301, 20.303, 20.304, 20.305	
Procedures, records?	20.401, Lic Cond _____	
NOTES & REMARKS: <i>Concentration of materials disposed of down the sewerage is not recorded.</i>		
10. <u>Transportation</u>		
Management controls, audits?		<u>C</u>
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>		
To individuals?	19.13	<u>C</u>
Overexposures, excessive levels and concentrations, incidents? ✓	20.403, 20.405	
Personnel exposures and monitoring, termination reports? ✓	20.407, 20.408	
Theft or loss of licensed materials? ✓	20.402	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
12. <u>Posting of Notices</u>		<u>C</u>
Part 20, license & documents, procedures, notice of violations? ✓	19.11(a)	
NRC-37 ✓	19.11(c)	
NOTES & REMARKS:		
<hr/>		
13. <u>Environmental Monitoring Program</u>	Lic Cond _____	<u>N/A</u>
Implementation of program, scope and frequency as required?		
Records maintained, reviewed by management?		
NOTES & REMARKS:		
<hr/>		
14. <u>Emergency Preparedness</u>	Lic Cond _____	<u>C</u>
Procedures available for incidents and accidents? ✓		
Training for personnel; coordination with supporting groups and agencies? ✓		
NOTES & REMARKS:		
<hr/>		
15. <u>Other License Conditions</u>		_____
NOTES & REMARKS:		
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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
Report item <u>9</u> 10 CFR <u>20.303</u> Lic Cond _____ Type n/c <u>V</u>	<i>Failure to record releases to the sanitary sewerage.</i>
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
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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: _____

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- | | |
|---|---|
| <input type="checkbox"/> Uncorrected/repeated noncompliance | <input type="checkbox"/> Unresolved items |
| <input type="checkbox"/> Unusual occurrence, conditions, etc | <input type="checkbox"/> Inspector's comments |
| <input type="checkbox"/> Basis for change of Category or Priority | |
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U.S. NUCLEAR REGULATORY COMMISSION
REGION I
OPEN ITEMS TRACKING SYSTEM

DOCKET NUMBER: 30-30292

REPORT NUMBER	STATUS	DATE OPEN	DATE CLOSED	REVIEWER NAME	OPTION	CLOSING REFER
1 88-001	OPEN	02/10/88	/ /	W. WALLACE	VIOL	
ITEM: FAILURE TO MAINTAIN RECORDS OF DISPOSALS TO THE SANITARY SEWERAGE.						
2 88-001	OPEN	02/10/88	/ /	W. WALLACE	VIOL	
ITEM:						