

Page 1 of INSPECTION REPORT NO. 80-01Attached☐ Appendix A☐ Appendix B☐ Appendix C☐ MemoCellicon, Incorporated
Highway 22 W
Somerville, New JerseyLicensee contact: Ed Kendra Telephone no. License no. 29-02786-03 Last amendment and date: 201-524-3913Category: , and Priority: , as of last amendment. LimitedInspection date(s): Aug 5, 1980 Type of inspection: Special
Special inspection after fire in irradiator room during alone mopping

SUMMARY OF FINDINGS AND ACTION

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

RECOMMENDATIONS

See basis in Appendix C of attached memo.

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

PERSONS CONTACTED

E. J. Kendra, R.S.D.Vincent Forst, General Supervisor, Production MaintenanceKevin Buros, Cobalt Facility OperatorFrank Schiller, Cobalt Facility SupervisorInspector: C. A. Louie8507130352 850502
PDR FOIA
GIDWANIB4-705 PDR8-6-80Approved: 8-7-80

54

INSPECTION PLAN AND REPORT NUMBER _____

Page 2 of

Plan approved: _____ Date: _____

Licensees: _____ License no: _____

Inspection Items	Scheduled for inspection	Post-inspection status	Module no.	766 Time Info
Management meeting - Entrance and Exit Interviews [REQUIRED]			307038	
Initial Management Meeting				
Program requirements, MC 28 [REQUIRED]			777108	
Licensee Event Followup			927008	
Followup on Inspector-identified problems			927018	
Followup on Noncompliance and Deviations			927028	
IE Bulletin/Immediate Action Letter Followup			927038	
Followup on Headquarters Requests			927048	
Followup on Regional Requests			927058	
Independent Inspection Effort [REQUIRED]			927068	
Inspector Dispatched to Site			937008	
Followup on Significant Event Occurring During Inspection			937018	

AREAS INSPECTED AND FINDINGS

777102 - Industrial-academic

Licensees: _____ License no: _____ Amendment no: _____

INSPECTION ITEMS	CRITERIA	FINDING
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1. Organization

Lic Cond _____

Management organization.

Radiation protection organization.

NOTES & REMARKS:*Limited**Special Inspection*2. Licensee internal audits

Lic Cond _____

Scope and frequency.

Management controls.

NOTES & REMARKS: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
<u>5. Materials, facilities and instruments</u>		
Authorized uses and quantities.	Lic Cond _____	
Restricted areas, posting requirements.	20.203	
Survey instruments & dosimeters; operable, properly calibrated.	Lic Cond _____	
NOTES & REMARKS:		
<u>6. Receipt and transfer of materials</u>		
Procedures implemented, adequate.	20.205, 71.51	
Transfer of byproduct material.	30.47	
Labeling and packaging.	71.5, 49CFR 170-189	
Records of receipt, transfer, storage, survey, and monitoring	30.51	
NOTES & REMARKS:		
<u>7. Personnel protection - external</u>		
Personnel monitoring control; minimize exposures, control of accumulated dose.	20.101, 20.102, 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>		
Airborne concentrations in restricted areas.	20.103	
Exposure of minors.	20.104	
Posting of airborne radioactivity areas.	20.203	
Survey, monitoring requirements; records.	20.201, 20.401	
Leak tests of sealed sources.	Lic Cond _____	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

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Licensees: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
<u>9. Effluent control, waste disposal</u>		
Release of effluents.	20.106	_____
Waste disposal.	20.301, 20.303, 20.304, 20.305	_____
Procedures, records.	20.407, Lic Cond _____	_____
<u>NOTES & REMARKS:</u>		
<hr/>		
<u>10. Shipping, shipping incidents</u>		
Procedures for pickup, receipt, monitoring of packages.	20.204(b) & (c)	_____
Transportation of licensed material.	71.5	_____
Incidents, reports, corrective actions.	49CFR 170-189	_____
<u>NOTES & REMARKS:</u>		
<hr/>		
<u>11. Notifications and reports</u>		
To individuals.	19.13	_____
Overexposures, excessive levels & concentrations, incidents.	20.403, 20.405	_____
Personnel exposures and monitoring, termination reports.	20.407, 20.408	_____
Theft or loss of licensed material.	20.402	_____
<u>NOTES & REMARKS:</u>		
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<u>12. Posting of notices</u>		
Part 20, license & documents, procedures, notice of violations.	19.11(a)	_____
NRC-3.	19.11(c)	_____
<u>NOTES & REMARKS:</u>		

INSPECTION REPORT NUMBER _____

Page 6 of _____

AREAS INSPECTED AND FINDINGS

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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 _____	_____
14. <u>Emergency preparedness</u> Procedures available for incidents and accidents. Training for personnel; coordination with supporting groups and agencies. NOTES & REMARKS:	Lic Cond _____	_____
15. <u>Other license conditions</u> NOTES & REMARKS:	Lic _____	_____
16. <u>Confirmatory measurements</u> Licensee's surveys verified on sampling basis. NOTES & REMARKS:	20.103, 20.201	_____
17. <u>Independent inspection effort</u> NOTES & REMARKS:		_____

INSPECTION REPORT NUMBER _____

Page ____ of ____

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licenses: _____

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 _____	

APPENDIX 3 - 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: _____

☐ Uncorrected/repeated noncompliance☐ Unresolved items☐ Unusual occurrence, conditions, etc☒ Inspector's comments☐ Basis for change of Category or Priority

Frank Schiller, Cabot Facility Supervisor and John K Kosciowski, Whitt Fault Operator were doing mapping the irradiator room on July 31, 1980 with the mechanical system in a static condition. The aluminum carriers were loaded with boxes filled with cardboard to simulate samples for the procedure. The operation was completed at 3:52 PM and the source was lowered into the pool and locked in a secure position. Mr. Schiller noticed a faint smell of smoke in the Control Room at about 4:20 PM and notified Mr. Kendra, ESO and Mr. Forst, Maintenance Supervisor who arrived at the irradiator ~ 4:30 PM. Mr. Kosciowski entered the irradiator room at ~ 4:45 PM, noted heavy smoke in the room and exited. The fire department was notified immediately and responded in minutes. Mr. Forst and a fireman entered the room but had to exit due to the heavy smoke. The facility roof plug was removed and smoke escaped. Mr. Forst and fireman entered the room wearing Air Paks and extinguished the fire using a 2" water hose. The sprinkler system went off at ~ 5:15 PM.

The irradiator room received extensive smoke damage and 10-15' carriers were damaged by partial melting from the intense heat of the fire. At the time of this inspection the room was being repainted, the mechanical and electrical systems had been inspected and the conveyor operated. Possible causes for the fire were being investigated but it appears the fire was caused by spontaneous combustion of the cardboard filler. The licensee will unload the source racks, check operation of the lift rack and cables, leak test source, and test total system under supervision of and with personnel from AECL prior to return to production work. A report will be filed to NRC by licensee upon completion of their investigation. No personnel exposure, release of radioactive material or damage to source resulted from this incident.

In August 1959 I received a copy of
the book "The World of the Future" by
the same author, mechanism, power, etc.,
was very simply improved but not in a satisfactory
operating condition.

W. H. H. H.