

Page 1 of INSPECTION REPORT NO. 2801

Attached

☐ Appendix A☐ Appendix B☐ Appendix C☐ MemoLicensee contact: Edmund J. KENDRA Telephone no. 201-524-1400License no. 24-02780-C3 Last amendment and date: Category: E, and Priority: 4, as of last amendment.Inspection date(s): October 6, 1978 Type of inspection: unannounced

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 n/a☐ Supplemental info, Appendix C

RECOMMENDATIONS

See basis in Appendix C or attached memo.

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

PERSONS CONTACTED

John Kosierowski, OperatorFrank ThompsonDr. Salvatore Romano, Assoc. Director of ResearchA. H. McLean, M.P. FinanceEdmund J. Kendra, RSCInspector: Charles A. Stearns10/18/78Approved: RO McEntech10/20/78

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]			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

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:

V. P.
T
Kenilworth RSC
T
Operators

2. Licensee internal audits

Lic Cond _____

Scope and frequency.

Management controls.

NOTES & REMARKS:

audits by Kenilworth

3. Training and instructions to employees

Lic C

Training program, scope and frequency, retraining.

Required tests administered; scores satisfactory.

Instructions to workers.

NOTES & REMARKS:

Lic Cond _____

(most of the
4 operators)

19.12 have been on the job many
years. The most recent one
has had 1 1/2 years experience
as in the case of other new men he
was put on sub shift with, or more

4. Radiation protection procedures

Operating & emergency procedures implemented.

Security.

Lic Cond _____

20.207

NOTES & REMARKS:

good - even entrance door to control
room is kept locked, and ~~the door is~~
key is controlled.

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.

Lic Cond

20.203

Lic Cond

NOTES & REMARKS:

OK C, 452, 545 — C
 C
 C
 @ 9/21/78

6. Receipt and transfer of materials

Procedures implemented, adequate.
 Transfer of byproduct material.
 Labeling and packaging.
 Records of receipt, transfer, storage,
 survey, and monitoring

20.205, 71.51

30.41

71.5, 49CFR 170-189

30.51

NOTES & REMARKS:

(Handled by vendor (AEC))
 " " " " " "
 " " " " " "

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.

20.101, 20.102, 20.202

20.201

20.401, Lic Cond

20.1, 20.105

NOTES & REMARKS:

— No significant exposures
 C
 — no disposal
 See Exh A, attached
 for record of surveys
 (9/20/78)

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.

20.103

20.104

20.203

20.201, 20.401

Lic Cond

NOTES & REMARKS:

no problem
 n/a
 n/a
 C

AREAS INSPECTED AND FINDINGS

777108 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent control, waste disposal</u>		
Release of effluents.	20.106	<i>no problem</i>
Waste disposal.	20.301, 20.303, 20.304, 20.305	<i>n/a</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/a</i>
Transportation of licensed material.	71.5	<i>n/a</i>
Incidents, reports, corrective actions.	49CFR 170-129	<i>none</i>

NOTES & REMARKS:

11. <u>Notifications and reports</u>		
To individuals.	19.13	<i>n-i</i>
Overexposures, excessive levels & concentrations, incidents.	20.403, 20.405	<i>none</i>
Personnel exposures and monitoring, termination reports.	20.407, 20.408	<i>n/a</i>
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

777108 - Industrial-Academic

Licensee: _____ License no: _____ Amendment no: _____

INSPECTION ITEM	CRITERIA	FINDING
13. <u>Environmental monitoring program</u>	Lic Cond _____	_____
Implementation of program, scope and frequency as required.	<i>n.i.</i>	
Records maintained, reviewed by management.		

NOTES & REMARKS:

14. <u>Emergency preparedness</u>	Lic Cond _____	_____
Procedures available for incidents and accidents.	<i>C</i>	
Training for personnel; coordination with supporting groups and agencies.	<i>n.i.</i>	

NOTES & REMARKS:

15. <u>Other license conditions</u>	Lic _____	_____
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NOTES & REMARKS:

16. <u>Confirmatory measurements</u>		<i>C</i>
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Licensee's surveys verified on sampling basis.

20.105, 20.201

NOTES & REMARKS:

(E-120 C-01)

17. <u>Independent inspection effort</u>		_____
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NOTES & REMARKS:

- water sample from incident pool taken to I.E.I. lab for analysis.

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

Licensees: _____

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: EthertonLicense no: -03☐ Uncorrected/repeated noncompliance☐ Unresolved items☐ Unusual occurrence, conditions, etc☒ Inspector's comments☐ Basis for change of Category or Priority

Interlocks, procedures etc adequate for safe operation. All interlocks ~~etc~~ etc. described in previous inspection reports and an Manual still in effect, and they were demonstrated to be operative by the licensee. In ~~addition~~ addition, a flashing light within ~~the~~ radiator and one near entrance, as well as horn, have been added which are actuated whenever source goes up or down. Also, the warning light on roof — (which had been found not working in special inspection on 10/21/77) — was raised to a higher level above roof level so that ~~the~~ the reflection of it ^(on windows of adjacent building) could be viewed from the radiator building, thus making it possible to easily check at any time whether it is working without climbing up on roof. Licensee continues to make weekly and monthly checks of interlocks; air; pool water, etc etc, as per ~~other~~ schedules attached as Exhibit A.