

REGION III
NUCLEAR MATERIALS SAFETY SECTION
INDUSTRIAL - ACADEMIC INSPECTION REPORT

Inspection Report No. _____

Licensee (Name and Address)

Licensee Contact: _____ Telephone No. _____
 License No. _____ Docket No. _____
 Last Amendment No. _____ Date of Amendment: _____
 Category: _____ Priority: _____
 Program Code: _____

Date of Inspection: _____

[illegible]

Next Inspection () Normal () Reduced () Extended

Summary of Findings and Action:

() No Noncompliance, Clear 591 issued () Action on Previous N/C
() Noncompliance, 591 issued () Regional Action
() Noncompliance, Appendix A () HQ Action

Inspector: _____ (Signature) _____ (Date Signed)

Approved: _____ (Signature) _____ (Date Signed)

INDUSTRIAL - ACADEMIC INSPECTION REPORT

Licensee: _____ Lic. No. _____ Amendment No. _____

Date of Inspection: _____

1. INSPECTION HISTORY

- a. Items of noncompliance or safety items noted during last inspection conducted on _____ Yes _____ No _____

Corrected by letter dated _____

- b. Requirement Corrected Not Corrected

- c. If any items of noncompliance or safety items noted during the last inspection were not corrected, explain: _____

2. Organization

- a. Organizational structure as described in application or letter Dated _____, Or _____

- b. List primary licensee contact: _____ Telephone No. _____

- c. Comments: _____

3. SUMMARY OF LICENSED PROGRAM (Kind of program, number of people, rate of use or quantities on hand, places and frequency of use, type, quantity and use as authorized).

4. INTERNAL AUDITS OR INSPECTIONS

- a. Required by L/C or application: Yes _____ No _____ If "Yes":
- 1) By whom _____
 - 2) Frequency _____ Announced: _____ Unannounced: _____
 - 3) Scope _____

 - 4) Records maintained: Yes _____ No _____
 - 5) Records reviewed: Yes _____ No _____
 - 6) Period Reviewed: _____
- b. Comments (responsibility of auditor or committee, management control):

5. TRAINING, RETRAINING, AND INSTRUCTIONS TO WORKERS

- a. Training program specified in L/C or application: Yes _____ No _____
- b. If training program is required, describe scope of program: _____

- c. Retraining required: Yes _____ No _____
If "Yes" is retraining: Complete _____ Incomplete _____
- 1) Are tests and/or examinations required: Yes _____ No _____
 - 2) If "Yes" are records available: Yes _____ No _____
 - 3) Reviewed test results: Yes _____ No _____
 - 4) Period reviewed: _____
 - 5) Comments (per cent completed, test results, etc.): _____

- d. Training provided, but not covered above: _____

- e. Instructions to workers in accord with 10 CFR 19.12: Yes _____ No _____

6. RADIOLOGICAL PROTECTION PROCEDURES

a. Operating and Emergency Procedures

- 1) Required by L/C or application: Yes _____ No _____
 2) Provided, but not required by L/C or application: Yes _____ No _____
 3) Procedures reviewed: Yes _____ No _____
 4) Appeared adequate: Yes _____ No _____
 5) Comments (personnel's understanding of procedures): _____

- b. Changes in procedures since last inspection: Yes _____ No _____
 1) Were changes authorized: Yes _____ No _____
 2) Comments: _____

7. INSTRUMENTATION

- a. Type(s) of radiation survey instruments on hand as per L/C, application or equivalent: Yes _____ No _____

1) If "No" list changes: _____

- b. Capability of radiation survey instruments adequate for program:
 Yes _____ No _____

- c. Calibration of instruments required: Yes _____ No _____

- d. If "Yes", instruments calibrated in accord with requirements:

Yes _____ No _____

- e. Comments: _____

8. MATERIALS

- a. Radioactive material secured to prevent unauthorized removal from:
 1) Restricted area: Yes _____ No _____
 2) Unrestricted area (20.207): Yes _____

b. Method of control appear adequate: Yes _____ No _____

c. Comments: _____

9. FACILITIES

a. Facilities described in letter or application: Yes _____ No _____

b. Facilities inspected: Yes _____ No _____

c. Comments: _____

10. POSTING AND LABELING

a. Posting and labeling in accord with 10 CFR 20.203: Yes _____ No _____

b. Comments: _____

11. RECEIPT AND TRANSFER OF MATERIAL

a. Procedures for picking up and receiving packages (10 CFR 20.205[b][c]):
 Yes _____ No _____

- 1) Incoming shipments monitored: Yes _____ No _____
 2) Records of monitoring maintained (10 CFR 20.401[b]): Yes _____ No _____
 3) Records reviewed by NRC inspector: Yes _____ No _____
 4) Period reviewed: _____

b. Procedures for opening packages (10 CFR 20.205[d]): Yes _____ No _____

c. Comments: _____

- d. Records of receipt and transfer of material available (30.51[a]; 40.61[a]; 70.51[b][1]): Yes _____ No _____
1) If "Yes", review of records was made by inspector: Yes _____ No _____
2) Period reviewed: _____
3) Comments: _____

- e. Packages on hand meet labeling requirements (49 CFR 173.399):
Yes _____ No _____
Comments: _____

- f. Reports to commission required by L/C or regulation submitted:
Yes _____ No _____
Comments: _____

12. PERSONNEL RADIATION PROTECTION - EXTERNAL

- a. Film or TLD badge supplier _____
- b. Badge exchange frequency _____
- c. Reports reviewed by _____
- d. Records reviewed for period _____ to _____ by NRC inspector _____
- e. NRC forms or equivalent
- 1) NRC-4 (20.102[b]): Yes _____ No _____ Complete: Yes _____ No _____
- 2) NRC-5 (20.401[a]): Yes _____ No _____ Complete: Yes _____ No _____
- Maximum whole body quarterly exposure: _____
- Maximum extremity quarterly exposure _____
- 3) Comments: _____
- _____
- _____
- f. Pocket dosimeters used: Yes _____ No _____
- 1) Type used: _____
- 2) Frequency of recharging: _____
- 3) Frequency of reading: _____
- 4) Comments: _____
- _____
- _____
- g. Direct radiation surveys of restricted and/or unrestricted areas being made: Yes _____ No _____
- 1) Records of surveys being maintained: Yes _____ No _____
- 2) Records of surveys reviewed: Yes _____ No _____
- 3) Period reviewed: _____
- 4) Comments: _____
- _____
- _____

13. PERSONNEL RADIATION PROTECTION - INTERNAL

- a. Potential for exposure of individuals to airborne radioactive material exists: Yes _____ No _____
- 1) If "Yes" does program for monitoring and control exist:
Yes _____ No _____
- 2) Program for monitoring and control appears adequate:
Yes _____ No _____

b. Comments: _____

- c. Respiratory protection program required by L/C or application:
Yes _____ No _____

- 1) If "Yes" were respiratory protection procedures reviewed:
Yes _____ No _____
- 2) Respiratory protection procedures appear adequate:
Yes _____ No _____
- 3) Comments: _____

- d. Bioassay program required: Yes _____ No _____
- 1) If "Yes" was bioassay program reviewed: Yes _____ No _____
- 2) Bioassay program appears adequate: Yes _____ No _____
- 3) Comments: _____

- e. Smears and air samples:

- 1) Monitoring for airborne radioactivity is conducted (20.103):
Yes _____ No _____

a. Records of monitoring reviewed: Yes _____ No _____

b. Period reviewed: _____

c. Records of monitoring appears adequate: Yes _____ No _____

- 2) Smear surveys being conducted (20.201.b): Yes _____ No _____

a. Records of smear surveys reviewed: Yes _____ No _____

b. Period reviewed: _____

c. Records appeared adequate: Yes _____ No _____

- 3) Comments: _____

14. LEAK TESTS

- a. Leak tests required: Yes _____ No _____
- b. If "Yes" leak tests conducted: Yes _____ No _____
- c. Records of leak tests maintained: Yes _____ No _____
- d. Leak tests records reviewed: Yes _____ No _____

- e. Period reviewed: _____
f. Records of leak tests appear adequate: Yes _____ No _____
g. Comments: _____

15. RADIOACTIVE EFFLUENT CONTROL AND WASTE DISPOSAL

- a. Byproduct material released to atmosphere and/or sewer (20.106 and 20.303):
Yes _____ No _____
b. Records of releases or radioactive effluents maintained (20.401):
Yes _____ No _____
1) Period reviewed: _____
2) Records appear adequate: Yes _____ No _____
c. Solid waste disposal method: _____
1) Records of disposal maintained (30.51): Yes _____ No _____
2) Surveys of waste prior to disposal made (20.201): Yes _____ No _____
3) Period reviewed: _____
4) Records of surveys appear adequate (20.401): Yes _____ No _____
d. Comments: _____

INDUSTRIAL/ACADEMIC

16. <u>TRANSPORTATION</u> (10 CFR 71.5a and 49 CFR 171-178)		<u>Yes</u>	<u>N/A</u>	<u>Vio</u>
a.	Licensee makes shipments of RAM? Such shipments are: () delivered to common carriers? () transported in licensee's own vehicle as private carrier? () both?	()	()	()
If above is yes, complete items below:				
b.	Are authorized packages used? [173.415-416] Package types used: () DOT-7A, Type A [173.415(a)] performance test records on file? () DOT-55 [173.416(a)] licensee aware of 6/30/85 cutoff on use? () Excepted, Instruments/articles [173.421-424] () LSA-strong tight [173.425(b)(1)] () 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? [71.17(b)] NRC Q/A Approval No.: _____ () Other: _____	()	()	()
c.	Special Form Material performance test records available for each source design? [173.416(a)]	()	()	()
d.	Packages Labeled as required? [172.403(a)] () Excepted () WI () YII () YIII Surveys performed to select correct label category and compliance with Rad. Limits? [173.475(i)]	()	()	()
e.	Packages Marked as required, i.e., proper shipping name, ID No., 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]	()	()	()
h.	Does Licensee ship any radwaste? If yes, are shipments: () tendered to common carriers by licensee? () tendered through a Radwaste Broker? If yes, name of Broker _____ Is licensee aware of 10 CFR 61 waste generator requirements? [10 CFR 61] Has licensee classified and characterized waste? [20.311(d)]	()	()	()

17. NOTIFICATIONS AND REPORTS

a. Licensee in compliance with 10 CFR 19.13 (reports to individuals):
Yes _____ No _____

b. Licensee in compliance with 10 CFR 20.405 (over exposure):
Yes _____ No _____

c. Licensee in compliance with 10 CFR 20.403 (incidents):
Yes _____ No _____

d. Licensee in compliance with 10 CFR 20.402 (theft or loss):
Yes _____ No _____

e. Comments _____

18. POSTING OF NOTICES

a. Licensee in compliance with 10 CFR 19.11(a) or (b): Yes _____ No _____

b. Licensee in compliance with 10 CFR 19.11(c): Yes _____ No _____

c. Comments: _____

19. ENVIRONMENTAL MONITORING PROGRAM

a. Environmental Monitoring Program required: Yes _____ No _____

b. If "Yes" records reviewed: Yes _____ No _____

c. Period reviewed: _____

d. Records appeared adequate: Yes _____ No _____

e. If Environmental Program is not required, briefly describe any existing program: _____

