APPENDIX A

IRRADIATOR INSPECTION RECORD

Region			
License No.			
Docket No			
Telephone No.			
() Unannounced () Special			
educed () Extended			
:			
y (NRC) Form 591 or regional letter issued			
Date			
Date			

PART I-LICENSE, INSPECTION, INCIDENT/EVENT, AND ENFORCEMENT HISTORY

1. <u>AMENDMENTS AND PROGRAM CHANGES</u>:

(License amendments issued since last inspection, or program changes noted in the license)

AMENDMENT # DATE SUBJECT

2. <u>INSPECTION AND ENFORCEMENT HISTORY</u>: (Unresolved issues; previous and repeat violations; Confirmatory Action Letters; and orders)

3. <u>INCIDENT/EVENT HISTORY</u>: (List any incidents, or events, reported to NRC since the last inspection. Citing "None" indicates that regional event logs, event files, and the licensing file have no evidence of any incidents or events since the last inspection.)

PART II - INSPECTION DOCUMENTATION

* References that correspond to each inspection documentation topic are in Inspection Procedure 87112, "Appendix B, Irradiator Inspection References."

The inspector is to use the inspection documentation part to help him/her perform the inspection. Note that not all areas indicated in this part need to be addressed during <u>each</u> inspection. However, for those areas <u>not covered</u> during the inspection, a notation ("Not Reviewed" or "Not Applicable") should be made in each section, where applicable.

All areas covered during the inspection should be documented in sufficient detail to describe what activities and procedures were observed and/or demonstrated. In addition, the types of records that were reviewed and the time periods covered by those records should be noted. If the licensee demonstrated any practices at inspector request, those demonstrations should be described. The observations and demonstrations described in this report, along with measurements and some records review, should substantiate inspection findings. Copies of all licensee documents and records needed to support violations should be attached.

1. <u>ORGANIZATION AND SCOPE OF PROGRAM</u>: (Management organizational structure; authorized location of use; type and quantity of byproduct material used; staff size)

2. <u>MANAGEMENT OVERSIGHT</u>: (Management support to radiation safety; Radiation Safety Officer (RSO); and program audits, including as low as is reasonably achievable (ALARA) reviews)

3. FACILITIES:

(Facilities as described; design, construction monitoring, and acceptance testing requirements; uses; control of access; shielding; fire protection; conveyor system; engineering controls; and compliance with public dose limits)

 EQUIPMENT AND INSTRUMENTATION: (Survey instruments; 10 CFR Part 21 procedures; interlocks; alarm systems; area and process monitors; conductivity instrumentation; maintenance; 10 CFR 36.61 requirements)

 MATERIAL USE, CONTROL, AND TRANSFER: (Materials and uses authorized; security and control of licensed materials; and procedures for receipt and transfer of licensed material; source handling procedures; source integrity; irradiated materials handling)

6. <u>OPERATING AND EMERGENCY PROCEDURES</u>: (Procedures development and availability; manufacturer's instructions; emergency/abnormal event procedures; assistance arrangements with outside agencies) AREA RADIATION SURVEYS AND CONTAMINATION CONTROL: (Radiological surveys; air sampling; leak tests; inventories; handling of radioactive materials; records; and public doses)

 TRAINING AND INSTRUCTIONS TO WORKERS: (Training and retraining requirements and documentation; interviews and observations of routine work; staff knowledge of all routine activities; 10 CFR Parts 19 and 20 requirements; emergency situations)

9. <u>RADIATION PROTECTION</u>: (Radiation protection program with ALARA provisions; external and internal dosimetry; exposure evaluations; dose and survey records and reports; annual notifications to workers; bulletins and other generic communications) 10. <u>RADIOACTIVE WASTE MANAGEMENT</u>: (Disposal; effluent pathways and control; storage areas; transfer; packaging, control, and tracking procedures; records)

11. <u>DECOMMISSIONING</u>:

(Records relevant to decommissioning; decommissioning plan/schedule; notification requirements; cost estimates; funding methods; financial assurance; and Timeliness Rule requirements; changes in radiological conditions since decommissioning plan was submitted)

12. TRANSPORTATION:

(Quantities and types of licensed material shipped; packaging design requirements; shipping papers; hazardous materials (HAZMAT) communication procedures; return of sources; procedures for monitoring radiation and contamination levels of packages; HAZMAT training; and records and reports)

13. <u>NOTIFICATIONS AND REPORTS</u>:

(Reporting and follow up of theft; loss; incidents; overexposures; change in RSO, authorized user; and radiation exposure reports to individuals)

14. <u>POSTING AND LABELING</u>: (Notices; license documents; regulations; bulletins and generic information; area postings; and labeling of containers of licensed material)

15. <u>INDEPENDENT AND CONFIRMATORY MEASUREMENTS</u>: (Areas surveyed and measurements made; comparison of data with licensee's results and regulations; and instrument type and calibration date)

16. <u>VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES</u>: (State requirement and how and when licensee violated the requirement. For NCVs, indicate why the violation was not cited. Attach copies of all licensee documents needed to support violations.)

17. <u>PERSONNEL CONTACTED</u>: (Identify licensee personnel contacted during the inspection [including those individuals contacted by telephone]).

Use the following identification symbols: # Individual(s) present at entrance meeting * Individual(s) present at exit meeting

18. <u>PERFORMANCE EVALUATION FACTORS (PEFs)</u>:

Α.	Lack of senior management involvement with the radiation safety program and/or RSO oversight		()Y()N
В.	Radiation Safety Committee too busy with		/ \ \ / \ \ \
	other assignments		() Y () N
C.	Insufficient staffing		()Y()N
D.	RSC fails to meet or functions		
	inadequately	() N/A	()Y()N
E.	Inadequate consulting services or inadequate		
	audits conducted	() N/A	()Y()N

Remarks (consider the above assessment and/or other pertinent PEFs with regard to the licensee's oversight of the radiation safety program.):

19. <u>Special Conditions or Issues</u>: (Special license conditions;

PART III - POST- INSPECTION ACTIVITIES

1. <u>REGIONAL FOLLOWUP ON PEFs</u>:

2. <u>DEBRIEF WITH REGIONAL STAFF</u>: (Post-inspection communication with supervisor, regional licensing staff, Agreement State Officer; and/or State Liaison Officer)

END

APPENDIX A - ATTACHMENT A DECOMMISSIONING TIMELINESS INSPECTION ATTACHMENT

Licensee:	
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Date of Inspection:
Date of inspection.

<u>COMPLIANCE WITH DECOMMISSIONING TIMELINESS RULE</u> (NOTE: Repeat the answers given in Section 12 of the main body of the inspection record. The issues in subsequent sections are dependent on the answers to these questions.) A. License to conduct a *principal activity* <u>has</u> expired or been revoked. ()Y()N B. Licensee <u>has</u> made a decision to permanently cease *principal activities* at the entire site, or at any separate buildings, or at any outdoor areas, including inactive burial grounds. ()Y()N

C.	<i>princip</i> the lice building	nonth duration has passed in which no al activities have been conducted under ense at the site, or at any separate gs, or at any outdoor areas, including e burial grounds.	()Y()N
D.	lf "Yes'	' to either A or B or C above:	
	(1)	Identify Site/Bldg/Area:	-
	(2)	Date of occurrence of A, B, or C:	-
<u>NOTIF</u> A.	Licenso (NRC) 1.C. ab	N REQUIREMENTS ee has provided written notification to the U.S. Nuc within 60 days of the occurrence of 1.A., 1.B., or pove ," date of notification:	clear Regulatory Commission ()Y()N
В.	of the of has pro within 3 or 1.C.	censee is requesting to delay initiation decommissioning process, the licensee ovided written notification to NRC 30 days of occurrence of 1.A., 1.B., , above.	() N/A () Y () N
	11 165,		

Basis for Findings:

2.

3. <u>DECOMMISSIONING PLAN/SCHEDULE REQUIREMENTS</u>

Α.	Licensee is required to submit a decommissioning plan per 10 CFR 30.36(g), 40.42(g), 70.38(g),		
or 10 (CFR Part 72?		() Y () N
lf "No"	to 3.A., answer the following items B F.:		
В.	The decommissioning work scope is covered by current license conditions.		() Y () N
C.	Decommissioning has been initiated within 60 days of notification to NRC, or NRC has granted a delay.		() Y () N
D.	If licensee has initiated decommissioning, give date the decommissioning was initiated:		
	Initiation date:		
E.	If decommissioning has been completed, it was completed within 24 months of notification to NRC.	() N/A	() Y () N
F.	If decommissioning is still scheduled to be completed, it is on schedule to be completed within 24 months of notification to NRC.	() N/A	()Y()N

Basis for Findings:

If "Yes" to 3.A., answer the following items G. - J.:

G.	The decommissioning plan has been submitted to NRC within 12 months of notification.		() Y () N
	If "Yes," date of submittal:	_	
	If NRC approved, date of NRC approval:	_	
H.	Has the licensee submitted an alternative schedule request?		()Y()N
	If "Yes," date of submittal:		
I.	If decommissioning has been completed, it was completed within 24 months after approval of the decommissioning plan.	() N/A	()Y()N
J.	If decommissioning is still scheduled to be completed, it is on schedule to be completed		

Basis for Findings:

Violations identified, if any: