## APPENDIX A

## **IRRADIATOR INSPECTION RECORD**

		Region		
Inspection Rep	ort No	_	License No.	
·	e and Address):		cket No	
Licensee Conta	act:		Telephone No.	
Priority:	Program Code:	<u> </u>		
	spection:spection:			
Type of Inspec	tion:	( ) Announced ( ) Routine ( ) Initial	()Unannounced ()Special	
Next Inspection	n Date(	) Normal ( ) Reduc	ed ( ) Extended	
Justification for	change in normal inspe	ection frequency:		
( ) No ( ) Nor ( ) Viol ( ) Viol	ndings and Actions:  violations cited, clear Nuncited violations (NCVs) ation(s), Form 591 issue ation(s), regional letter i owup on previous violat	) ed ssued	RC) Form 591 or regional letter issued	t
Inspector(s)	(Sign Name	e)	Date	
	(Print Nar	ne)		
Approved			Date	
	(Sign Name)			
	(Print Na			

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

1. license)	(License amendments issued since last inspection, or program changes noted in the				
	AMENDMENT #	<u>DATE</u>	<u>SUBJECT</u>		
2.	INSPECTION AND (Unresolved issues	DENFORCEMENT s; previous and repe	<u>HISTORY</u> : eat violations; Confi	irmatory Action Letters; and	orders)
3.	INCIDENT/EVENT (List any incidents, that regional event events since the la	or events, reported logs, event files, ar	I to NRC since the nd the licensing file	last inspection. Citing "Non-have no evidence of any inc	e" indicates cidents or

**PART II - INSPECTION DOCUMENTATION** 

Issue Date: 11/27/01

\* 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. ORGANIZATION AND SCOPE OF PROGRAM:

(Management organizational structure; authorized location of use; type and quantity of byproduct material used; staff size)

#### MANAGEMENT OVERSIGHT:

(Management support to radiation safety; Radiation Safety Officer (RSO); and program audits, including as low as is reasonably achievable (ALARA) reviews)

3. FACILITIES:

Issue Date: 11/27/01 A-3 87112, Appendix A

	(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)
4.	<u>EQUIPMENT AND INSTRUMENTATION</u> : (Survey instruments; 10 CFR Part 21 procedures; interlocks; alarm systems; area and process monitors; conductivity instrumentation; maintenance; 10 CFR 36.61 requirements)
5.	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.	OPERATING AND EMERGENCY PROCEDURES: (Procedures development and availability; manufacturer's instructions; emergency/abnormal event procedures; assistance arrangements with outside agencies)

7.	AREA RADIATION SURVEYS AND CONTAMINATION CONTROL: (Radiological surveys; air sampling; leak tests; inventories; handling of radioactive materials; records; and public doses)
8.	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.	RADIATION PROTECTION:
	(Radiation protection program with ALARA provisions; external and internal dosimetry;

Issue Date: 11/27/01 A-5 87112, Appendix A

bulletins and other generic communications)

10.	RADIOACTIVE WASTE MANAGEMENT:	
	(Disposal; effluent pathways and control; storage areas; transfer; packaging, control, and tracking procedures; records)	g
11.	DECOMMISSIONING: (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.	NOTIFICATIONS AND REPORTS: (Reporting and follow up of theft; loss; incidents; overexposures; change in RSO, authorized user; and radiation exposure reports to individuals)
14.	POSTING AND LABELING: (Notices; license documents; regulations; bulletins and generic information; area postings; and labeling of containers of licensed material)
15.	INDEPENDENT AND CONFIRMATORY MEASUREMENTS: (Areas surveyed and measurements made; comparison of data with licensee's results and regulations; and instrument type and calibration date)

16.	(State	ATIONS, NCVs, AND OTHER SAFETY ISSUES: requirement and how and when licensee violated the reserviolation was not cited. Attach copies of all licensee cons.)		
17.	PERS	ONNEL CONTACTED:		
		ify licensee personnel contacted during the inspection [integrated by telephone]).	ncluding those	individuals
	# Indiv	ne following identification symbols: vidual(s) present at entrance meeting vidual(s) present at exit meeting		
18.	PERF	ORMANCE EVALUATION FACTORS (PEFs):		
	A.	Lack of senior management involvement with the		/
	B.	radiation safety program and/or RSO oversight Radiation Safety Committee too busy with		()Y()N
	C.	other assignments Insufficient staffing		()Y()N ()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.):

PART I	II - POST- INSPECTION ACTIVITIE	S		
1.	REGIONAL FOLLOWUP ON PEFS	<u>s</u> :		

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

19.

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

Licens	ee:				
Date o	f Insped	ction:			
1.	(NOT	PLIANCE WITH DECOMMISS  E: Repeat the answers given s in subsequent sections are d	in Section 12 of the main b	ody of the inspection record.	The
	A.	License to conduct a <i>princip</i> expired or been revoked.	oal activity <u>has</u>	( )Y( )N	
	B.	Licensee <u>has</u> made a decist cease <i>principal activities</i> at or at any separate buildings including inactive burial group	the entire site, s, or at any outdoor areas,	( )Y( )N	

Issue Date: 11/27/01 AA-1 87112, Appendix A, Att. A

	C. A 24-month duration has passed in which no principal activities have been conducted under the license at the site, or at any separate buildings, or at any outdoor areas, including inactive burial grounds.			( )Y( )N
	D.	If "Yes"	to either A or B or C above:	
		(1)	Identify Site/Bldg/Area:	
		(2)	Date of occurrence of A, B, or C:	
2.	<u>NOTIFI</u>	CATION	N REQUIREMENTS	
	A.		ee has provided written notification to the U.S. Nuclear within 60 days of the occurrence of 1.A., 1.B., or ove	Regulatory Commissior
		If "Yes,"	" date of notification:	
	B.	of the d has pro	censee is requesting to delay initiation lecommissioning process, the licensee ovided written notification to NRC 30 days of occurrence of 1.A., 1.B., above.	( ) N/A ( ) Y ( ) N
		If "Yes,"	" date of notification:	
Basis f	or Findin	ıgs:		

Issue Date: 11/27/01

	A. or 10 C	Licensee is required to submit a decommissioning plan per 10 CFR 30.36(g), 40.42(g), 70.38(g), CFR Part 72?		( )Y( )N
	If "No"	to 3.A., answer the following items B F.:		
	B.	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 fo	or Findir	ngs:		
lf "Voc"	tο 3 Λ	answer the following items G J.:		
ii tes		·		
	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 an schedule to be completed.		

DECOMMISSIONING PLAN/SCHEDULE REQUIREMENTS

3.

within 24 months after approval of the
decommissioning plan.

( ) N/A ( ) Y (	)	Ν
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Basis for Findings:

Violations identified, if any: