APPENDIX A INDUSTRIAL/ACADEMIC/RESEARCH INSPECTION FIELD NOTES

Region_I_

Inspection Report No. <u>97-001</u>	License No. <u>29-01022-06</u>
Licensee (Name & Address):	Docket No. <u>030-05248</u>
Department of the Army U.S. Army Communications - Electronics Command AMSEL-SF-RER Fort Monmouth, New Jersey 07703-5024	
Licensee Contact <u>Richard Lovell, Asst. RPO</u>	Telephone No. <u>908-532-9723</u>
Amendments Issued Since Last Inspection: (Numbe Dates of Above Amendments: <u>April 29, 1997 and</u>	rs) <u>40 and 41</u> <u>May 27, 1997</u>
Priority: <u>02</u> Program Code <u>03610</u>	
Date of Last Inspection August 9-11 and 15, 19 Date of This Inspection September 29 and 30, 19	97 997
Type of Inspection: () Announced (x) Routine () Initial	(x) Unannounced() Special() Reinspection
Next Inspection Date <u>September 1999</u> (x) !	Normal () Reduced () Extended
Justification for change in normal inspection for	requency:
Summary of Findings and Action:	
 (x) No violations cited, Clear NRC Form 5 () Violation(s), NRC Form 591 issued () Violation(s), regional letter issued () Followup on previous violations 	Information in this record was deleted in accordance with the Freedom of Information Act, exemptions
Inspector: Richard Gibson, Jr. (Signature)	Date <u>October 6, 1997</u>
Approved: (Signature)	Date 10/14/57 HH 15
Issue Date: $01/XX/97$ A-1	87110, Appendix A

Field notes are to be used by the inspector to assist with the performance of the inspection. Note that all areas indicated in the field notes are not required to be addressed during <u>each</u> inspection. However, for those areas <u>not covered</u> during the inspection, a notation ("Not Reviewed") should be made in each section where applicable. Additionally, all areas covered during the inspection should be documented in sufficient detail to describe what activities and/or records the inspector observed. For example, the types of records that were reviewed and the time periods covered by those records should be noted. If the licensee demonstrates any practices at your request, describe those demonstrations. The observations and demonstrations you describe in this report, along with measurements and some records review, should substantiate your inspection findings.

NOTE: For inspections of radioactive drug distributors, ensure that all applicable sections (regarding 10 CFR Part 32) of the radiopharmacy field notes are completed.

INSP	ECTION, LICENSING, AND INCIDENT HISTORY	
Α.	Violations were identified during any of the last two inspections or two years, whichever is longer. (N/A = Initial insp.) () N	N/A () Y (x) N
В.	Response letter(s) or 591(s) dated August 18, 1995	<u>5 ·</u>
C	Violations from previous inspection(s):	
REQU	IREMENT CITED	<u>STATUS</u>
		
D.	Any repeat violation(s) identified? If "Yes," explain:	() Y () N

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E. License amendments issued since last inspection, or program changes noted in the license:

<u>AMEND</u>	MENT # DATE	<u>SUBJECT</u>					
41	5/27/97	amend license to change location for the J. L. Shepherd Model 81-140 calibrator from the Evans Area (Blda 9401) to the L					
40	4/29/97	amend license to provide services for analysis of test samples for other person.					
F.	implementation of	ection, was the licensee's fall of the above amendments or inspected/observed? () N/A (x) Y () N					
G.		ection, were any violations ving any of the above ogram changes? () N/A () Y (x) N					
Н.	since the last in indicates that read the licensing	cs or events reported to NRC aspection (Note: "None" egional event logs, event files, g file have no evidence of any ats since the last inspection): (x) None					
٠	INCIDENT OR EVENT	•					

I. During this inspection, were the incidents/events reviewed with the licensee, and was the licensee's follow-up to the incidents/events examined?

(x) N/A () Y () N

J. Describe the licensee's follow-up in response to the events/incidents listed in 1.H.:

Comments:

2. ORGANIZATION AND SCOPE OF PROGRAM

- A. Describe the licensee's organizational structure to indicate the "chain-of-command" from senior management to authorized users of licensed material. Show or describe where the RSO and Chairperson of the RSC are located in the licensee's organization and to whom they report:
 - U.S. Army Communications Electronics Command (CECOM), Directorate of Safety Risk Management, Steve Horne is the Director; the Division of Radiological Engineering, Joseph M. Santarsiero is the Chief and the Radiation Safety Officer for the license; Richard Lovell is the Assistance to the Radiation Protection Officer (RPO). There are seven health physicists with CECOM and three contract health physicists.

B. Identify licensee personnel contacted during the inspection (including those individuals contacted by telephone).
* Steven A. Horne, Dept. of the Army Civilian (DAC), Chief, Directorate of Safety Risk Management
* Joseph M. Santarsiero, DAC, Chief, Radiological Engineering Division (RED)
* Richard J. Lovell, DAC, Health Physicist, RED
Burton Cummings, Contractor, Health Physicist, RED
Al Perrella, Contractor, Health Physicist, RED
Alice Frampton, DAC, Safety Specialist
Stanley Kronenberg, Research Scientist, Physic
Alex Cosentino, Supply Technician Leader

C. Authorized for multiple locations of use (x) Y() N If yes, may use <u>ATTACHMENT A</u> as a guide for inspecting laboratories.

Individuals present at entrance meeting
* Individuals present at exit meeting
+ Individuals contacted by telephone

D. Authorized for multiple permanent field office locations (x) Y() N
 (1) Inspection performed at multiple field offices (x) Y() N
 (2) If "Yes," list office locations inspected:

Ft. Monmouth's Evans Area and the Charles Wood Area.

E. Authorized for temporary job site locations () Y (x) N (1) Inspection performed at temporary job site(s) () Y () N (2) If not, describe why not:

F. Briefly describe scope of activities, including types and quantities of use involving licensed material, frequency of use, staff size, etc.

CECOM, under the broad scope license, conducts sample analysis, instrument calibration services and emergency response to Ft. Monmouth. In addition, CECOM provides services in sample analysis, RADCON training, and emergency response to other government military facilities to support the Department of the Army (DOA) RADCON mission. The Directorate of Safety Risk Management staffs are the primary users and they are responsible for the services under the broad scope license. Dr. S. Kronenberg, Research Scientist conducts research in instrument testing, sample analysis and commodities in the developmental stages to support the mission. Radioactive materials are used as sealed sources in calibrators and checks sources for the calibration of instruments to support the DOA mission.

EXZ

3. MANAGEMENT OVERSIGHT

Α.	Radiation Safety Committee (RSC) required [L/C] ¹						()	N
	(1) (2)	RSC fulfills license requirements [L/C] Records maintained [L/C]		(x (x)	Y	()	N N
В.	Radia	tion Safety Officer (RSO)							
	(1) (2)	Authorized on license [L/C] Fulfills duties as RSO		(x (x)	Y Y	()	N N
С.	Audit	s, Reviews, or Inspections	•						
	(1) (2)	Audits are required [L/C] Audits or inspections are conducted Audits conducted by <u>Gordon M. Lodde, HP</u> Frequency <u>Annually</u>		(x (x)	Y	()	N N

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Here and throughout the field notes, "L/C" means "license condition."

	(3)	Content and implementation of the radiation protection program reviewed annually by the licensee [20.1101(c)] ²	(x)	Υ	· ·	Y N	
	(4)	Records maintained [20.2102]	(x)	Ϋ́	()) N	
D.	Use b	y authorized individuals [L/C]	(x)	Υ	()) N	
Ε.	If su regs,	pervision permitted by the license or by authorized users supervise adequately [L/C]	(x)	Υ.	()) N	
FACIL	ITIES							
A. B.	Facil	ities as described in license application [L/C] ities are secured to prevent unauthorized	(x) '	Υ	()	N	
ъ. С.	acces	s [L/C] ibe any self-contained dry-source-storage	(x	()	Υ	()	N
.	irrad	iators and/or survey instrument rators (model, radionuclide, activity, use, etc.))	()	N/	Ά	
Į.								
	•							
(2			:					
			•					

4.

In a letter dated October 6, 1997, the the representative from J.L. electronically disconnected the source to prohibit deliberate raising. Also, the licensee submitted a survey of the building at the 5.2 curies source position.

(1)	Maintenance of safety-related components performed by authorized persons [L/C]	() Y () N
(2)	Access to keys and/or material controlled	
	[20.1801-1802, L/C]	(x)Y()N
(3)	Access to high/very high radiation areas	
	controlled [20.1601-1602, L/C]	(x)Y()N
(4)	Adequate protection of shield integrity,	
	fire protection [L/C]	(x)Y()N

Basis for Findings:

RSC - meetings are conducted quarterly, records of minutes were reviewed for September 11, 1997 to December 17, 1996. Records were as required.

Audits - conducted annually by the U.S. Army Center for Health Promotion and Preventive Medicine and the licensee's consultant.

Here and throughout the field notes, sections of 10 CFR are referenced only by their section numbers.

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5.	EQUIP:	MENT AND INSTRUMENTATION	
	Α.	Instruments and equipment:	
		 (1) Appropriate operable survey instrumentation possessed and readily accessible [L/C] (2) Calibrated as required [20.1501, L/C] (3) Calibration records maintained [20.2103(a)] 	(x) Y () N (x) Y () N (x) Y () N
	В.	Procedures established to identify and report safety component defects [21.21]	(x) Y () N
Basis	for F	indings:	
	Instr Ludlu 13280	y instruments are calibrated annually by Ludlum Meas uments observed by the inspector were a Ludlum Model 9 m Model 3, S/N 20243, a Ludlum Model 19s, S/N 131255, and S/N 131253. The survey instruments were cal red frequency.	5, S/N 44292, a S/N 111352, S/N
6.	MATER	IALS RECEIPT, USE, TRANSFER, AND CONTROL	
	A. B.	Isotope, chemical form, quantity, and use, as authorized [L/C] Licensed materials secured to prevent unauthorized	(x) Y () N
	υ.	removal or access [20.1801-1802]	(x.) Y () N
		 (1) Licensed material in storage in controlled or unrestricted areas is secured from unauthorized removal or access [20.1801] (2) Licensed material in controlled or unrestricted areas and not in storage is controlled and under constant surveillance [20.1802] 	(x) Y () N (x) Y () N
		(3) Access to restricted areas is limited [20.1003]	(x) Y () N
•	С.	Describe how packages are received and by whom:	() N/A
•		Packages containing radioactive material are received receiving area. Alex Cosentino, Supply Tech Leader health physicists from the Directorate of Safety Risk will conduct the receipt surveys. Building 116 is facility on base for the receipt of packages containing material.	, contacts the Management who the designated
	E. F. G.	Written package opening procedures established and followed [20.1906(e)] All incoming packages with DOT labels wiped, unless exempted (gases and special form) [20.1906(b)(1)] Incoming packages surveyed [20.1906(b)(2)] Monitoring in (E) and (F) above, performed within time specified [20.1906(c)]	(x) Y () N
	Н.	Transfer(s) between licensees performed [30.41]	(x) Y () N

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	J. K. L.	Records of surveys and receipt/transfer maintained [20.2103(a), 30.51] (Transfers among licensee's authorized users or locations performed as required [L/C] () N/A (Arrangements made for packages containing quantities of radioactive material in excess of Type A quantity [20.1906(a)] () N/A (Package receipt/distribution activities evaluated	x x x)	Y Y Y	() N
Basis	for F	for compliance with 20.1301 [20.1302] () N/A (indings:	Χ .)	ĭ	() N
	maint	ity to all areas where radioactive material is used an ained by HPs in Directorate of Safety Risk Managemnberg.					
7.	TRAIN	ING, RETRAINING, AND INSTRUCTIONS TO WORKERS					
	A. B.	Instructions to workers/students [10 CFR 19.12] (7) Training program required [L/C] (7)	X X)	Y Y	()) N
		(1) If so, briefly describe training program:					
	·	Authorized users of radioactive material are given work permits by the RSC for use of radioacti Initial and refresher training are given by the annually. Records of training were reviewed for the September 15, 1997 to December 6, 1996. Recorduired.	ve าe he	H	mai HP late	ter st es	rial taff fro
		(3) Periodic training program required(4) Periodic training program implemented(>	() ()) '	Υ (Υ (()	N N N N
	C. ·	Individual's understanding of procedures and regulations is adequate (x	(-)) '	Υ (()	N
		(2) Emergency procedures (x	()) '	Y (Y (Y (()	N N N
	D	Revised Part 20 Workers cognizant of requirements for:					
		 (2) Annual dose limits [20.1301-1302] (x (3) New NRC Forms 4 and 5 () N/A (x (4) 10% monitoring threshold [20.1502] (x (5) Dose limits to embryo/fetus and declared 	() () ()		Y ((Y () Y ()		N N

		-		
		(7)	Procedures for opening packages [20.1906] Sewer disposal limits [20.2003]	() N/A (x) Y () N (x) N/A () Y () N
Basis	for A	indin	gs:	
	prima Manag	ary an gement	ee conducts emergency RADCON drills d secondary personnel are the HPs . The last emergency exercise was c mouth's Charles Wood area.	of Directorate of Safety Risk
8.	AREA	RADIA	TION SURVEYS AND CONTAMINATION CONT	<u>ROL</u>
	Α.	Brie	fly describe area survey requiremen	ts [20.1501(a), L/C]:
			licensee performs monthly radiation s where radioactive material is use	
	В.	Perf	ormed as required [20.1501(a), L/C]	(x) Y () N
		(1) (2)	Contamination found Corrective action taken and docum	ented (x) Y () N (x) Y () N
	С.	Reco	rds maintained [20.2103, L/C]	(x) Y () N
	D. •	Hand	ling and use of radioactive materia	ls [L/C]

(x) Y () N

(x)Y()N

(x)Y()N

(x) Y () N

(x)Y()N

(x) Y () N

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Basis for Findings:

(1)

(2)

(3) (4)

(5)

(6)(7)

(8)

8.

Monthly radiation and contamination surveys were conducted in buildings 9045, 9019, the radioactive material storage trailer, Mobile Lab #2, 9383 and 9401. Records were reviewed for the dates from August 11, 1997 to September 18, 1995. Records were as required.

Personnel routinely monitor or frisk themselves

No food, drink, or personal effects stored in

Use of shielding/distance while using/storing

No eating/drinking/smoking in use/storage areas (x) Y () N

Radioactive waste disposed in proper containers (x) Y () N

Ε. Protection of members of the public

Protective clothing worn

use/storage areas

material

Proper dosimetry worn

No pipetting by mouth

after procedures or before leaving

 \cdot (1) Licensee made adequate surveys to demonstrate either: (1) that the TEDE to the individual likely to receive the highest dose does not exceed 100 mrem in a year; or (2) that if an individual were continuously present in an unrestricted area, the external dose would not exceed 2 mrem in any hour and 50 mrem-in-a-year-[20.1301(a)(1), 1302(b)];

	4	(2)	and (3) the air emissions to the atmosphere are within the constraint level [20.1101] Unrestricted area radiation levels do not exceed	(x)	Y (()	N		
		(3)	2 mrem in any one hour [20.1301(a)(2)] Records maintained [20.2103, 20.2107]	(X)	Y (()	N N		
,	F.	Leak	tests and Inventories [L/C]							
		(1) (2)	Performed as required () N/A Adequate analysis methodology and sensitivity () N/A							
	•	(3)		(X)	Υ (.)	N		
Basis	for F	inding	IS:							
	Recor	ds of	and inventory are conducted by the licensee even leak tests and inventory were reviewed for t 5, 1997 to September 1995.							
9.	RADIA	TION P	ROTECTION							
	Α.	Licen	see performed exposure evaluation [20.1501]	(x)	Υ ()	N		
	B. Licensee incorporated ALARA considerations in the radiation protection program [20.1101(b)] (x) Y									
·	С.	Exter	nal Dosimetry		()	N//	4		
		(1)	Licensee monitors workers [20.1502(a), L/C] External exposures account for contributions from airborne activity [20.1203] (x) N/A			Y (Y (
		(3)	Processor <u>U.S. Army Ionizing RAD</u> Frequency <u>Quantum</u>	art	<u>er</u>	<u>ly</u>				
		(4) (5)	Processor is NVLAP-approved [20.1501(c)] Dosimeters exchanged at required frequency [L/C]			Y (Y (
	D.	Inter	nal Dosimetry		()	x)	N/	/A		
		(1) (2)	Licensee monitors workers [20.1502(b), L/C] Briefly describe licensee's program for monitoring and controlling internal exposures [20.1701-1702, L/C]:	(`)	Υ	. (1 (1		
		(2)	Ain compling nonformed	<i>,</i> ,		,	, ,			
		(3) (4) (5)	Air sampling performed Monitoring/controlling program implemented Respiratory protection equipment [20.1703, L/C]	()	Y Y Y	() N) N			

	Ē.	Repor	ts	() N/A
		(1)	Reviewed by <u>Radiation Safety Officer</u> Frequenc	y <u>Quarterly</u>
		(2)	Inspector reviewed personnel monitoring records for period <u>May 7, 1997</u> to <u>November 8, 1996</u>	·
		(3)	Prior dose determined for individuals likely to receive doses [20.2104]	(x.) Y () N
		(4)	Maximum exposures TEDE <u>22 mrem</u> Other	
		(5)	Maximum CDEs Organs	
		(6)	Maximum CEDE	
-		(7)	Licensee sums internal and external [20.1202]	
		(8)	TEDEs and TODEs within limits [20.1201]	() Y (.) N.
		(9)	NRC Forms or equivalent [20.2104(d), 2106(c)]	
			(a) NRC Form 4 (x) Y() N Complete: (b) NRC Form 5 (x) Y() N Complete:	(x) Y () N (x) Y () N
	•	(10)	Worker declared her pregnancy in writing during inspection period (review records) $(x) N/A$	A. () Y () N
2			If "yes," licensee in compliance with dose to embryo/fetus [20.1208] and records maintained [20.2106(e)]	() Y () N () Y () N
	F.	Who perinvolve 20.220	erformed PSEs at this facility (number of people yed and doses received)? [20.1206, 20.2104-2105,	(x) N/A
	G.	Record	ds of exposures, surveys, monitoring, and ations maintained [20.2102-2103, 20.2106, L/C]	(x) Y () N °
	Н.		see advises each worker annually of worker's [19.13(b)]	(x) Y () N
Basis	for Fi	indings	S:	
	Review	v of re	ecords on file and interview with personnel.	

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10.	RADIO	ACTIVE	WASTE	MANAGEMENT			()	N/A
٠	Α.	Dispo	sal	· .			()	N/A
		(1).	Decay	-in-storage			(x) N/A
		·	(a) (b) (c)	Procedures approved [20.2001(a)(2), In accordance with [L/C] Labels removed or defaced [20.1904(b		() () (₂)	Y (Y (Y () N) N) N
		(2)(3)(4)(5)	requianima Impro [20.2] Record	per/unauthorized disposals) N/A	(x)	Y () N () N () N
	B. Ef	fluent	S				(x)	N/A
		(1)	Releas	se into sanitary sewer [20.2003] (x	() N/A	()	Υ (() N
			(a) (b)	Material is readily soluble or readidispersible [20.2003(a)(1)] Monthly average release concentration do not exceed Appendix B values		() '	Y () N
			(c)	[20.2003] No more than 5 Ci of H-3, 1 Ci of C-and 1 Ci of all other radionuclides combined released in a year [20.2003 Procedures to ensure representative sampling and analysis properly implemented [20.1501(a)(2), L/C]	14,	() [']	Υ () N
		(2)	Releas	se to septic tanks [20.2003] (x	:) N/A	()	Υ () N
			(a)	Within unrestricted limits[App B,Tab	le 2]	() \	() N
		(3)	Waste	incinerated (x	.) N/A	()	Υ () N
			(a) (b) (c)	License authorizes [20.2004(a)(3)] Licensee directly monitors exhaust Airborne releases evaluated and controlled [20.1501, 20.1701]		() \		
·		(4)	20.130	ol of effluents and ashes [20.1201, 01, 20.1501, 20.2001, L/C] also IP 87102, RG 8.37}		0	()	N/A
			(a)	Air effluent less than 10 mrem constraint limit [20 1101]		() \	′ () N
			(b)	If no. licensee reported appropriate	,	\$400000000000000000	300003000	::::::::::::::::::::::::::::::::::::::

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				 Corrective actions implemented and on schedule 	() Y () N
			(c)	Description of effluent monitoring progra	m `
				(i) Monitoring-system hardware equipmen adequate	t () V () N
				(ii) Equipment calibrated as appropriate(iii) Air samples/sampling technique(charcoal, HEPA, etc.) analyzed	() Y () N
				with appropriate equipment	() Y () N .
Basis	for	Findings	S:		
		•			
-					
	С.	Waste	Manage	ement	() N/A
·		(1)	Waste	compacted [L/C]	() Y (x) N
		(2)	Storag	ge area(s)	() N/A
			(a) (b) (c)	Protection from elements and fire [L/C] Control of waste maintained [20.1801] Containers properly labeled and area	(x) Y () N (x) Y () N
			(d)	Containers properly labeled and area properly posted [20.1902, 20.1904] Package integrity maintained [L/C]	(x) Y () N (x) Y () N
	·	(3)	[Part	ging, Control and Tracking 20, App. F.III.] [20.2006(d)]: The licensee's waste is likely to be Class	s A.
	٠		(a)	Not packaged for disposal in cardboard or fiberboard boxes [61.56(a)]	(x') Y () N
	•		(b)	Liquid wastes solidified, (i.e., less than 1% freestanding liquid) and void spaces minimized [61.56(a), (b)]	() Y () N
			(c)	Does not generate harmful vapors [61.56]	(x) Y () N
	····		(d) 	Structurally stable (will maintain its physical dimensions and form under expected disposal conditions) [61.56(b)]	-(x) -Y (-) N -

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7.		(ė)	Packages properly labeled [App. F.III.A.2]			(x)	Υ	()	N
		(f)	Licensee conducts a QC program to ensure compliance with [61.55-56] includes management evaluation of audits [App. F.III.A.3]	and		(x)	Υ	()	N
		(g)	Shipments not acknowledged within 20 days after transfer are investigated and reported [App. F.III.A.8]	(x)	N/A	()	Υ	()	N
	(4)	Trans	fers to land disposal facilities				(()	1	۱//	4
		(a) (b)	Transferred to person specifically licensed to <u>receive waste</u> [30.41, 20.2001(b)] Each shipment accompanied by a man	ifest		(x)	Υ	(Ĵ	N.
		(c)	prepared as specified in Section I Appendix F [20.2006(b), App. F.III Manifests certified as specified i Section II of Appendix F [20.2006(.A.4] n		(x (x					
D.			surveys and material accountability [20.2103, 2108]	are		χ)	Ϋ́	()	N

Basis for Findings:

Radioactive waste generated from the use of radioactive material under the broad scope license is transferred to a land disposal facility for proper disposal. The Army's Industrial Operation Command (IOC), transfer waste containing radioactivity for the licensee. Records of the manifest dated 9/23/97 were reviewed.

RECORDKEEPING FOR DECOMMISSIONING 11. Α. Records of information important to the safe and effective decommissioning of the facility maintained in an independent and identifiable location until license termination. (x)Y()NВ. Records include all required information [30.35(g)] (x)Y()N(1)List of restricted areas [30.35(g)(3)] indicates that laboratories or other rooms have been released since the last inspection (x)Y()NConfirmatory measurements show that each room (2) is within release limits, and licensee records adequately document the basis for releasing each room (x)Y()NC. Copies of the licensee's decommissioning cost estimates and funding methods on file (x)Y()NIf the licensee uses a parent company guarantee D. or a self-guarantee as funding method, does the file contain a copy of the financial test performed for the licensee's most recently completed fiscal (x) N/A () Y () NΕ. If "Yes" to D., do the financial test ratios meet the criteria in 10 CFR Part 30, Appendix A, Section II for parent company guarantees and Appendix C, Section II for self guarantees? () Y () N Date that licensee's financial assurance instrument () N/A F. was submitted to NRC, if applicable: () N/A Date that licensee's decommissioning plan was G. submitted to NRC, if applicable:

Have radiological conditions at the licensee's facility changed since the financial assurance mechanism and/or decommissioning plan was submitted due to:

 (1) Incidents or events?

(2) Unplanned process upsets or changes?

() N/A () Y () N () N/A () Y () N

(3) Unauthorized material, form, or possession limit changes?

() N/A () Y () N

(4) Any other changes?

() N/A () Y () N

If "Yes" to any of the above (1)-(4), notify regional management.

Basis for Findings (include comments and measurements on any areas the licensee released for unrestricted use):

At the time of this inspection, the licensee is currently decommissioning the Evans area of Ft. Monmouth. Radioactive materials from the Evans area will be either transferred for proper disposition or transferred to the Charles Wood area for continue use or storage.

A. License to conduct a principle activity has expired or been revoked B. Licensee has made a decision to permanently cease principal activities, at the entire site, or any separate buildings, or any outdoor areas, including inactive burial grounds 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 any outdoor areas, including inactive burial grounds D. If "Yes" to either A or B or C: (1) Identify Site/Bldg/Area: (2) Date of occurrence of A, B, or C: (1) Timeliness Field Notes, "for this licensee. NOTE: If "No" to A and B and C. decommissioning timeliness rule does not apply. If "Yes" to either A or B or C, then complete Attachment B, "Decommissioning Timeliness Field Notes," for this licensee. Basis for Findings: 13. TRANSPORTATION (10 CFR 71.5(a) and 49 CFR 170-189) (1) Limited Quantities, and/or Instruments and Manufactured Articles: (Radioactive Material excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410] (b) Radiation level ≤ 0,005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (Commination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(1)] (c) Contamination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(1)] (d) Limited Quantity Package marked "Radioactive" [173.42(a)(4)] (e) 173.422 certification statement attached/enclosed ("This package conforms to the conditions and	12.	COMPL	IANCE	MIIH	DECOMMISSIONING TIMELINESS RULE N/A	
including inactive burial grounds 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 any outdoor areas, including inactive burial grounds D. If "Yes" to either A or B or C: (1) Identify Site/Bldg/Area: (2) Date of occurrence of A, B, or C: NOTE: If "No" to A and B and C, decommissioning timeliness rule does not apply. If "Yes" to either A or B or C, then complete Attachment B, "Decommissioning Timeliness Field Notes," for this licensee. Basis for Findings: 13. TRANSPORTATION (10 CFR 71.5(a) and 49 CFR 170-189) (1) Limited Quantities, and/or Instruments and Manufactured Articles: (Radioactive Material, excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410]. () Y () N (b) Radiation level ≤ 0.005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (c) Contamination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(1)] () Y () N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package			expir Licer cease	red or nsee <u>ha</u> e <i>princ</i>	been revoked as made a decision to permanently cipal activities, at the entire site,	() Y (·) N
inactive burial grounds D. If "Yes" to either A or B or C: (1) Identify Site/Bldg/Area: (2) Date of occurrence of A, B, or C: NOTE: If "No" to A and B and C, decommissioning timeliness rule does not apply. If "Yes" to either A or B or C, then complete Attachment B, "Decommissioning Timeliness Field Notes," for this licensee. Basis for Findings: 13. TRANSPORTATION (10 CFR 71.5(a) and 49 CFR 170-189) (1) Limited Quantities, and/or Instruments and Manufactured Articles: (Radioactive Material, excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410] (b) Radiation level < 0.005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (c) Contamination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(1)] (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] (e) 173.422 certification statement attached/enclosed ("This package		C.	inclu A 24- princ the l	uding i -month <i>cipal a</i> license	inactive burial grounds duration has passed in which no activities, have been conducted under e at the site, or at any separate	() Y () N
(2) Date of occurrence of A, B, or C: NOTE: If "No" to A and B and C, decommissioning timeliness rule does not apply. If "Yes" to either A or B or C, then complete Attachment B, "Decommissioning Timeliness Field Notes," for this licensee. Basis for Findings: 13. TRANSPORTATION (10 CFR 71.5(a) and 49 CFR 170-189) () N/A A. Licensee Transports: [complete sections (1) - (4), as applicable] (1) Limited Quantities, and/or Instruments and () N/A Manufactured Articles: (Radioactive Material, excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410] () Y() N (b) Radiation level < 0.005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (173.443 limits, QC examination/test performed prior to each shipment [173.475(1)] () Y() N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y() N (e) 173.422 certification statement attached/enclosed ("This package						() Y () N
NOTE: If "No" to A and B and C, decommissioning timeliness rule does not apply. If "Yes" to either A or B or C, then complete Attachment B, "Decommissioning Timeliness Field Notes," for this licensee. Basis for Findings: 13. TRANSPORTATION (10 CFR 71.5(a) and 49 CFR 170-189) () N/A A. Licensee Transports: [complete sections (1) - (4), as applicable] (1) Limited Quantities, and/or Instruments and Manufactured Articles: (Radioactive Material, excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410] () Y () N (b) Radiation level ≤ 0.005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) (C) Texclusive use instruments and articles, 2 mrem/hr) (173.443 limits, QC examination/test performed prior to each shipment [173.475(1)] () Y () N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package		D.				
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13. TRANSPORTATION (10 CFR 71.5(a) and 49 CFR 170-189) () N/A A. Licensee Transports: [complete sections (1) - (4), as applicable] (1) Limited Quantities, and/or Instruments and Manufactured Articles: (Radioactive Material, excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410] () Y () N (b) Radiation level ≤ 0.005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) () Y () N (c) Contamination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(I)] () Y () N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package	NOTE:	If "Yo	es" to	eithe	r A or B or C. then complete Attachment B. '	does not apply Decommissioning
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<pre>Manufactured Articles: (Radioactive Material, excepted package, [additional info], 7, UN 2910) (a) Package meets general design requirements [173.410]</pre>		Α.	<u>Licer</u>	isee Tr	ransports: [complete sections (1) - (4), as	applicable]
requirements [173.410] () Y () N (b) Radiation level ≤ 0.005 mSv/hr (0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) () Y () N (c) Contamination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(I)] () Y () N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package			(1)	Manuf	factured Articles: (Radioactive Material,	•
(0.5 mrem/hr) (Exclusive use instruments and articles, 2 mrem/hr) () Y () N (c) Contamination less than 173.443 limits, QC examination/test performed prior to each shipment [173.475(I)] () Y () N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package				(a)	Package meets general design requirements [173.410]	() Y ₁ () N
QC examination/test performed prior to each shipment [173.475(I)] () Y () N (d) Limited Quantity Package marked "Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package				(b)	(0.5 mrem/hr) (Exclusive use instruments	() Y () N
"Radioactive" [173.421(a)(4)] () Y () N (e) 173.422 certification statement attached/enclosed ("This package				(c)	QC examination/test performed prior to	() Y () N
attached/enclosed ("This package				(d)		() Y () N
		· .		(e)	attached/enclosed ("This package conforms to the conditions and	

(2)	Type / 7, UN	A Quantities (Radioactive Material, nos, 2982)	() N/A
	(a)	Packaging: (i) Packaging is proper for contents (i.e., DOT 7A), is unimpaired, and is prepared correctly [173.475(a)-(f)] (ii) All packages meet general design requirements [173.410] (iii) DOT 7A Package meets additional Type A design requirements	(x) Y () N (x) Y () N
X	(b)	<pre>[173.412, 178.350] Recordkeeping: (i) Special Form source records [173.476(a)] (ii) DOT 7A performance/design documentation [173.415(a)]</pre>	(x) Y () N (x) Y () N (x) Y () N
	(c)	Hazards communications requirements (consult the "NRC field reference charts" that correspond to elements	
	N/I	 (i) through (v), below): (i) Shipping Papers [172.200-205] (ii) Marking Packages [172.300-338] (iii) Labeling Packages [172.400-450] (iv) Placarding Vehicles [172.500-560] (v) Emergency Response information and guidance [172.600-604] 	() Y () N () Y () N () Y () N () Y () N
	(d)	Radiation level/Contamination limits [173.441, 173.443] (i) Package levels within limits (ii) QC examination/test performed prior to each shipment [173.475(I)]	(x) Y () N (x) Y () N
(3)	Type E 7, UN	3 Quantities (Radioactive Material, nos, 2982)	() N/A
	(a) (b) (c)	Packaging is proper for contents (i.e., Type B), is unimpaired, and is prepared correctly [173.475(a)-(f)] Inspector must complete Section 2 of NRC Inspection Procedure (IP) 86740 Sections 2.c. and 2.d., shown in the previous section for Type A Quantities, also apply. Complete those sections.	(x) Y () N

	IN/ I	(4)	LSA material and SCO (Radioactive Material, LSA, nos, 7, UN 2912) or (Radioactive Material SCO, nos, 7, UN 2913)	() N/A
			 (a) If licensee makes significant LSA/SCO shipments, inspector should complete Inspection Requirement 03.02 of Temporary Instruction (TI) 2515/133 (issued 3/15/90) Otherwise, if licensee has a minor LSA/SC program: 	6)
			 (i) Licensee properly characterizing material as LSA/SCO [173.403] (ii) All packages meet general design requirements [173.410] (iii) Proper LSA/SCO packaging selected and used [173.475, 173.427] (iv) Placarding exclusive use vehicles, marking package "Radioactive-LSA" or "Radioactive-SCO," as appropriate [173.427(a)(6)] (v) Shipping Papers [172.200-205] (see "NRC field reference chart" for content and exceptions) 	() Y () N () Y () N () Y () N
	B.	DOT I (1) (2) (3) (4)	Each HAZMAT employee receives training and is tested [172.702] Recurrent training at least every 2 years [172.704(c)(4)] HAZMAT employee training includes general awareness, function-specific, and safety training [172.704] HAZMAT employer recordkeeping includes employee name, completion date, description/copy/location of training materials, name and address of training provider, and certification [172.704(d)]	704]: (x) Y () N (x) Y () N (x) Y () N
N/I	C.		er Modal Specific Requirements, Highway Sportation [49 CFR Part 177]: Driver Training, or CDL w/ HAZMAT endorsement [177.800, 177.816] Incident Reporting to DOT [177.807, see also 171.15 and 171.16] Shipping Paper Accessibility (on seat or in driver's side door pocket, readily visible) Placarded Vehicles Routing and Driver Training requirements [177.825 and 49 CFR 397 Subpart D (i.e., the motor carrier regs)] Sum of total package TIs on non-exclusive use vehicle < 50 [177.842(a)] Packages blocked/braced for transport	() N/A () Y () N () Y () N () Y () N () Y () N
			[177.842(c)]	() Y () N

N/I	D.	Miscellaneous Requirements					
		(2) Overpack requirements observed, if packages are offered in overpack. Overpack marked w/ proper shipping name and number package and overpack)	Υ	()	N
		labeled as needed, marked "inner package complies" [173.24] ((3) Expanded and changed A1/A2 values from the)	Υ	()	N
		4/1/96 rule changes have been implemented [173.435] (verify only once per licensee) ((4) Written instructions included with exclusive		Y			
)	Υ	()	N
Basis	for F	indings:					
13.	<u>POSTII</u>	NG AND LABELING					
	A. B.	Parts 19, 20, 21, Section 206 of Energy Reorganization Act, procedures adopted pursuant to)	Y	() .	N
,	С.	Part 21, and license documents are posted or a notice indicating where documents can be examined is posted [19.11, 21.6] (x Other posting and labeling per 20.1902 and 20.1904,)	Υ	()	N
		respectively, and the licensee is not exempted by 20.1903 or 20.1905 (x)	Υ	()	N

Basis for Findings:

All required documents to be posted were located at various bulletin boards at both Charles Wood and Evans areas.

14.	GENERIC COMMUNICATION OF INFORMATION
	A. Bulletins, information notices, NMSS Newsletters, etc., received by the licensee (x) Y () N B. Licensee took appropriate action in response to bulletins, generic letters, etc. (x) Y () N
Basis	for Findings:
	Review records and interview with personnel.
15.	NOTIFICATION AND REPORTS
	A. Licensee in compliance with 19.13, 30.50 (reports to individuals, public and occupational, monitored to show compliance with Part 20) () N/A (x) Y () N B. Licensee in compliance with 20.2201, 30.50 (theft or loss) (x) None () Y () N C. Licensee in compliance with 20.2202, 30.50 (incidents) (x) None () Y () N D. Licensee in compliance with 20.2203, 30.50 (overexposures and high radiation levels) (x) None () Y () N E. Licensee aware of NRC Ops Center phone number (x) Y () N [(301)-816-5100] F. Licensee in compliance with [20.2203] (constraint on air emissions) (x) None () Y () N
Basis	for Findings:
	Review records and interview with personnel.
16. *	SPECIAL LICENSE CONDITIONS OR ISSUES (x) N/A
	A. Special license conditions or issues to be reviewed:
	B. Evaluation:

17. OBSERVATIONS/DEMONSTRATIONS OF LICENSED ACTIVITIES

Briefly describe the activities and procedures observed and/or demonstrated during the inspection. For example, if you observed licensee personnel working in radiation areas using licensed material or performing functions associated with radiation safety such as receiving or transporting licensed material; conducting or receiving training; disposing of radioactive waste; conducting surveys; or making measurements, then describe what you saw. If the licensee demonstrated any practices at your request, describe those demonstrations. The observations and demonstrations you describe here, and elsewhere in the "Basis for Findings" sections of this report, along with measurements and some records review, should substantiate your inspection findings.

Describe what activities or procedures were observed and/or demonstrated by the licensee during the inspection:

None at the time of this inspection.

The following sections should be completed in a narrative format by the inspector to briefly describe the measurements performed by the inspector, inspection findings, and any post-inspection communications with regional staff.

18. NRC INSPECTOR'S MEASUREMENTS

() N/A

- A. <u>Survey instrument</u> <u>Serial No.</u> <u>Date of calibration</u>

 Ludlum Model 14C NRC 019617 December 5, 1996
- B. Inspector performed CONFIRMATORY measurements () Y (x) N C Inspector performed INDEPENDENT measurements (x) Y () N
- D. Briefly describe the types of measurements performed (i.e., exposure rates, wipe tests, soil samples, air flow measurements, etc.), locations where measurements were taken, the results of these measurements (mR/hr, dpm, etc.), and whether inspector's results conflicted with the licensee's measurements. If independent measurements were not made, justify why they were not performed on this inspection:

Radiation measurements were taken on contact with the calibrator at the Charles Wood area and the calibrators in use and in storage at the Evans area. Radiation measurements were also taken in the general areas of the facilities where radioactive material is used and stored. Radiation measurements indicated 2 mr/hr to 5 mr/hr on contact with the calibrators and < 0.1 mr/hr in the general areas.

19. CONTINUATION OF REPORT ITEMS

(x) N/A

20. VIOLATIONS, NON-CITED VIOLATIONS (NCVs), AND OTHER ISSUES

(x) N/A

NOTE: Briefly state (1) the requirement and (2) how and when the licensee violated the requirement. For non-cited violations (NCVs), indicate why the violation was not cited. Attach copies of all licensee documents needed to support the violation.

21. DEBRIEF WITH REGIONAL STAFF

A. Was inspection feedback provided to regional licensing staff?

(x)Y()N

If "Yes," name of individual on the licensing staff: <u>Steven Shaffer, HP, Site Decommissioning Branch</u>

If "Yes," describe issues discussed:

Ex2 [

B. Briefly describe post-inspection communications with other regional staff (inspector's supervisor, Agreement State officer, State liaison officer, etc.):

Same discussion with my branch chief

22.	PERFORMANCE	EVALUATION	FACTORS	(PEFs)

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

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

None

Regional follow-up on above PEFs citations:

Continue routine inspection, note all material at the Evans area will be either transferred to the Charles Wood area or properly disposed of.

END

Attachments:

A. "Laboratory Inspection Field Notes"

B. "Decommissioning Timeliness Inspection Field Notes"

APPENDIX A - ATTACHMENT A LABORATORY INSPECTION FIELD NOTES N/A

1.	Date Authorized User(s) Location(s) Building Room(s) Person(s) Contacted										
2. 3.											
4.	Describe scope of lab use (nuclides, form, frequency, purpo	se	,	et	 c)	:					
5.	Training A. Frequency:Conducted by: B. Individuals interviewed understand safety practices										
Basis	for Findings:		-								
6.	Surveys A. Types of surveys performed (daily, weekly, monthly, e	tc.	.)			٠.					
	 B. Instrumentation properly calibrated and used C. Efficiency of counting system(s) determined D. Hood airflow adequate and checked as required () N/A E. Records maintained: trigger levels established, area diagram, instrument used, individual performing survey, results in proper units, decontamination 	(()	Y Y Y	()	N N N				
	performed as necessary, etc. F. Inspector performed independent and/or confirmatory measurements				(
Basis	for Findings:										

•

7.		ot and Transfer Incoming packages properly surveyed Interlaboratory transfers performed as spec in the license Records maintained	ifie (ed ()	N/A			Y Y Y			N N N
Basis	for Fi	ndings:									
8.	Persor A. B. C.	nnel Dosimetry Appropriate dosimetry assigned and worn Results available to lab personnel Bioassays performed			N/A N/A	()	Υ	()	N N N
Basis	for Fi	ndings:									
	·								*		
9.	A. B. C. D.	ng Waste Procedures followed Proper storage (area, containers, labeling, Liquid/solid waste disposal Incineration Compaction Sewer discharge Records maintained	etc (()	N/A N/A N/A	())))))	Y	(((((((((((((((((((()))))	N N N N N N N N N N N N N N N N N N N
Basis	for Fi	ndings:									
10.	Invent A. B.	cory Inventory conducted Records maintained				()	(Y Y) (N/.))	A N N
Basis	for Fi	ndings:									

87110, Appendix A, Att. A

Att. A-2

Issue Date: 09/09/96

								
11.	Storag A. B. C.	ge and use of licensed material Adequate method to prevent unauthorized access Condition of areas acceptable Personnel wear disposable gloves and protective) N) N) N
	D.	clothing while handling material Personnel routinely monitor or frisk themselves	()	Υ	(.)	N
	E. F.	after procedures or before leaving No eating/drinking/smoking in use/storage areas No food, drink, or personal items stored in	()	Y Y	()	N N
	G. H.	use/storage areas Use of shielding/distance while using/storing material RAM is under surveillance and control (when not in	()	Y	()	N
	I. J. K.	storage) in an unrestricted area Proper dosimetry worn Radioactive waste disposed of in proper containers No pipetting by mouth	()	Υ	((()	N N N
Basis	for Fi	indings:						
					-			
12.	Postir A. B.	ng and Labeling NRC Form 3 "Notice to Workers" Parts 19, 20, 21, Section 206 of Energy Reorganization Act, procedures for Part 21, and	()	Υ	()	N
	С.	license documents or a notice indicating where documents can be examined Other posting and labeling requirements met						
Basis	for Fi	ndings:						
						,		
								1
13.	Violat	tions Identified:						

Issue Date: 09/09/96

APPENDIX A ATTACHMENT B DECOMMISSIONING TIMELINESS FIELD NOTES N/A

Licer	isee:					•		
Date	of Ins	pection:			•			
1.	(NOTE notes	IANCE WITH DECOMMISSIONING TIMELINESS RULE : Repeat the answers given in Section 12 of the main be . The issues in subsequent sections are dependent on questions.)	ody tl	' o ne	f t an	che ISW	e t ier	field s to
	A. B.	License to conduct a <i>principle activity</i> <u>has</u> expired or been revoked Licensee <u>has</u> made a decision to permanently cease <i>principal activities</i> , at the entire site,	()	Υ	()	N
	or any separate buildings, or any outdoor areas, including inactive burial grounds 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 any outdoor areas, including inactive burial grounds	()	Υ	()	N	
			()	Υ	()	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.	NOTIF	ICATION REQUIREMENTS						
	Α.	Licensee has provided written notification to NRC within 60 days of the occurrence of 1.A., 1.B., or 1.C. above	()	Y	()	N
		If "Yes," date of notification:						
	В.	If the licensee is requesting to delay initiation of the decommissioning process, the licensee $\frac{has}{has}$ provided written notification to NRC within 30 days of occurrence of 1.A., 1.B., or 1.C. above () N/A	. ()	Υ	(])	N
		If "Yes," date of notification:						_
Comme	nts:							

Issue Date: 09/09/96

Att. B-1

87110, Appendix A, Att. B

	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?	()	ιY	· ' (()	N	
,				٠					
	If	"No" to 3.A., answer the following items B F.:							
	В.	The decommissioning work scope is covered by current license conditions	. ()	Υ	· ()	N	
	С.	Decommissioning has been initiated within 60 days of notification to NRC, or NRC has granted a delay	()	Υ	()	N	
	D.,	If licensee has initiated decommissioning, give date the decommissioning was initiated:							
		Initiation date:							
	Ε.	If decommissioning has been completed, it was completed within 24 months of notification to NRC () N/A	. ()	Υ	()	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	. ()	Υ	()	N	
Comme	nts:					.'			
		· · · · · · · · · · · · · · · · · · ·							
	•								
	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	()	Υ	()	N	
		<pre>If "Yes," date of submittal:</pre>							
		If NRC approved, date of NRC approval:							
	Н.	Has the licensee submitted an alternative schedule request?	()	Υ	()	N	
,		If "Yes," date of submittal:							

DECOMMISSIONING PLAN/SCHEDULE REQUIREMENTS

3.

Issue Date: 09/09/96

I.	If decommissioning has been completed, it was completed within 24 months after approval of the decommissioning plan)	N/A	()	Υ	()	N	
J.	If decommissioning is still scheduled to be completed, it is on schedule to be completed within 24 months after approval of the decommissioning plan	()	N/A	()	Υ	()	N	
Commonts											

Comments:

Violations identified, if any:

Issue Date: 09/09/96

irectorate of Safety Risk Manager ATTN: AMSEL-SF Fort Monmouth, NJ 07703-5024

17 July 1997

----- Telephone Numbers -----Main: 732-532-9SAF (DSN 992-9SAF) (992-9723) 732-427-4427 (DSN 987-4427) 732-532-0084 (DSN 992-0084) 732-427-3112 (DSN 987-3112) ----- Facsimile Numbers ----

Bldg 2539 (Main Office): 732-532-6403 (DSN 992-6403)

732-542-7161 (No DSN) Bldg 9045 (Evans Area): 732-427-2667 (DSN 987-2667) ---- MILNET: amsel-sf@cecom3.monmouth.army.mil ----

P BIANCHI, Hugo	×6444	RE	NOWIK, Bill	x6418 SEP	
BOYLAN, Chuck (c)	×6420	SEP	PERRELLA, Al. (c)	75370 RE	ж_
BRENNAN, Tom	×6404	SEC	PHAM, Thang	x6417 SEP	^ .
BRYANT, Alton (c)	x6416		PIAZZA, Frank	x6443 RE	Sate.
BURBELO, Andrew	x6415	SEP	PONTOLILLO, Inge (c)		0
CHAN, Steven	x6413	SEP	POWERS, Mary	x6430 A	
COCCO, Joe	x6436	SEP	PROCTOR, Ken	x6446 RE	
CORNBLATT, Jeanette		• A	RUSSO, Leonard	x6414 SEP	
CRAIG, Dave (c)	×75591	RE	**SANTARSIERO. Joe	x6427 RE	ما سے حمد ک
CUMMINGS Burt (c)	75606	RE A	SILBER, Barry	x6440 RE	Supero. j+P
DEGUMBIA) Ron SGT	75370	RE	SOFFER, Lou	x6434 SEP	
FRAMPTON, Alice	x6432	RE X	TOBIAS, John	x6412 SEP	
GABRIEL, PAUL (c)	X6419		VEGA, Wilfredo	x6407 SEC	
GOLDBERG, Craig	×6405	RE	VIDSENS, Gail	x6426 RE	ADMI.
GRAHAM, Linda	x6429	SE	VONSTEENBURG, Al	x6409 SEP	•
GRIMES, Jim (c)	x6438	RE	ZIOLA, Gary	x6433 RE	HP
HANRAHAN, Jay	×6406	SEC			
en HEZEL, KARL	x6442	RE	•		
HORNE, Steve	x6401	SF			
KLIMEK, PHIL	x6437	SEP	Computer Room	x6422	
KIERNAN, David	x6447	SEP	Conference Room	x6402	
**LASCALA, Rich	x6410	SEC	Training Room	x6403	
LOVELL, Rich	x6441	RE	·		
**MANCINI, Fern	x6411	SEP		•	
M/ MANKOWSKI, GRACE (c) x6425	RE	Lab (Evans)	(732)427-5370	
MCLANE, GEORGE	X6439	. SEP	·		
MOY, Elaine	×6408	SEC	OSHA SELFM-SO	. 20083	
			st Fort Monmouth only,		
access	dial main	n number	and enter 0 for secret	ary	

Bldg 2400, Room 222D, 540-349-7192 (DSN 229-xxxx)

1-800-793-4093

Facsimile 540-341-8239

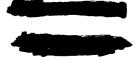
USACECOM Safety Field Office (Ft. Belvior) 10150 Craig Hill Rd., Ste. 12, Fort Belvior VA, 22060-5851 Bldg 331, 703-704-xxxx (DSN 654-xxxx) Facsimile -3431										
ID	Ext.	Office	ID	Ext.	Office					
BENT, Corey	-2094	AMSEL-SF-FB	KAY, Burle	eigh -1779	(c)					
		AMSEL-SF-FB	THACKSTON,	Joell-2282	(c)					
DICKENS, Steph				n -1806	(c)					
HAYNES, David			·							
HO, Gaines										
			raham to update i	info						

RADIATION WORKERS - CIVILIAN (As of 1 Sep 1997)

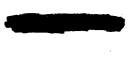
NAME

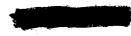
- 1. Clack, Peter
- Cummings, Burton (Contractor)
- 3. Do, Ted Quang
- 4. Kronenberg, Stanley
- 5. Perrella, Albert
 (Contractor)
- 6. SSG Ron DeGumbia (Military)

SSN









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