	C FORM 3	13 U. S	S. NUCLEAR RE	GULATORY COMM	ISSION	APPRO	VED BY OMB: NO. 31	150-0120	EXPIRES:10/31/2005
(8-1999) 10 CFR 30, 32, 33 34, 35, 36, 39 and 40  APPLICATION FOR MATERIAL LICENSE				Estimated burden per response to comply with this mandatory information collection request: 7.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bist ignic gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120). Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, NRC may not conduct or sponsor, and a person is not required to respond to, the information collection					
				ICENSE APPLICATI LETED APPLICATIO					COMPLETING APPLICATION.
API	PLICATION FO	R DISTRIBUTION OF	EXEMPT PRODUCT	S FILE APPLICATIONS W	ITH:	IF YOU	ARE LOCATED IN:		
ľ	DFFICE OF NU J.S. NUCLEAR	CLEAR MATERIALS REGULATORY CON	DICAL NUCLEAR SAF SAFETY AND SAFEG IMISSION			SEND A	ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN. SEND APPLICATIONS TO:		
ALL			TIONS AS FOLLOWS	:		U.S. 801 \	ERIALS LICENSING SI NUCLEAR REGULATO MARRENVILLE RD. E, IL 60532-4351	ECTION DRY COMMISSION, REGI	ON III
RHO	SSACHUSETT: DDE ISLAND, (	S, NEW HAMPSHIRE OR VERMONT, SEND	T OF COLUMBIA, MA :, NEW JERSEY, NEW ) APPLICATIONS TO:	V YORK, PENNSYLVANIA	•	ALASKA LOUISIA OKLAH	A, ARIZONA, ARKANS ANA, MONTANA, NEB DMA, OREGON, PACI	RASKA, NEVADA, NEW I	RADO, HAWAII, IDAHO, KANSAS, MEXICO, NORTH DAKOTA, S, SOUTH DAKOTA, TEXAS, UTAH, I TO:
4	NUCLEAR MAT J.S. NUCLEAR 175 ALLENDAL	SISTANT SECTION ERIALS SAFETY BR REGULATORY COM E ROAD SIA, PA 19406-1415				U.S. 611 F	LEAR MATERIALS LIC NUCLEAR REGULATO RYAN PLAZA DRIVE, S NGTON, TX 76011-80	DRY COMMISSION, REGI SUITE 400 64	
RIC	O, SOUTH CAP ID APPLICATION	ROLINA, TENNESSE DNS TO:	E, VIRGINIA, VIRGIN	, NORTH CAROLINA, PUE ISLANDS, OR WEST VIRG				030201	23
1	U. S. NUCLEAR 61 FORSYTH S	LANTA FEDERAL CE R REGULATORY COI ITREET, S.W., SUITE IRGIA 30303-8931	MMISSION, REGION I	ı					
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDICTIONS.				1					
	CKINE III OTA	123 3085207 70 0	S.NUCLEAR REGUL	A1011 00mm1831014 301	KISUICTIO	N3.			ì
-			heck appropriate item		RISDICTIO		E AND MAILING ADDI	RESS OF APPLICANT (III	nclude Zip code)
-	THIS IS AN AI	PPLICATION FOR (C W LICENSE	heck appropriate item		RISDICTIO	2. NAM		-	nclude Zip code)
-	THIS IS AN AI	PPLICATION FOR (C W LICENSE ENDMENT TO LICEN	heck appropriate item	)	RISDIC NO	2. NAM Nort	e and mailing addition Commun 15th Street, 1	ity Hospital	nclude žip code)
-	THIS IS AN AI	PPLICATION FOR (C W LICENSE	heck appropriate item			Nort	on Commun	ity Hospital VW	nclude Zip code)
1.	A NE B AM	PPLICATION FOR (C W LICENSE ENDMENT TO LICEN NEWAL OF LICENSE	iheck appropriate item ISE NUMBER	)	RISDICTIO	Nort	on Commun 15th Street, 1	ity Hospital NW 24273	nclude 2ip code) TO BE CONTACTED ABOUT THIS
3. 4	A NE B AM C RE	PPLICATION FOR (C W LICENSE ENDMENT TO LICEN NEWAL OF LICENSE WHERE LICENSED	ISE NUMBER  INUMBER  MATERIAL WILL BE I	45-23057-01	RISDICTIO	Nort	on Commun 15th Street, 1	ity Hospital NW 24273 A NAME OF PERSON APPLICATION	TO BE CONTACTED ABOUT THIS
3. A No	A NE B AM C REI  ADDRESS(ES)  DITTON CO	PPLICATION FOR (C W LICENSE ENDMENT TO LICEN NEWAL OF LICENSE	ISE NUMBER  INUMBER  MATERIAL WILL BE I	45-23057-01	RISDICTIO	Nort	on Commun 15th Street, 1	ity Hospital NW 24273 A NAME OF PERSON APPLICATION James P. Nun	to be contacted about this n (Physics Assoc.)
3. A No 10	A NE B AM C RE  ADDRESS(ES) Drton Co 0 15th S	PPLICATION FOR (C W LICENSE ENDMENT TO LICEN NEWAL OF LICENSED WHERE LICENSED	INECK APPROPRIATE (IEM  ISE NUMBER  E NUMBER  MATERIAL WILL BE (  DSpital	45-23057-01	NSDC110	Nort	on Commun 15th Street, 1	ity Hospital NW 24273 A NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE	TO BE CONTACTED ABOUT THIS  n (Physics Assoc.)  r
3. A No 10	A NE B AM C REI	PPLICATION FOR (C W LICENSE ENDMENT TO LICENSE NEWAL OF LICENSED WHERE LICENSED mmunity Ho treet, NW rginia 2427	ineck appropriete item ise number i number material will be u dispital	45-23057-01		Nort 100 Nort	on Commun 15th Street, I on, Virginia	ity Hospital NW 24273 A NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-016	to be contacted about this n (Physics Assoc.) er 65
3. A No 10 No sub	A NE B AM C REI	PRICATION FOR (CONTINUENSE) ENDMENT TO LICENSE WHERE LICENSED mmunity Hoteet, NW rginia 2427: HROUGH 11 ON 8-17	ineck appropriate item  ISE NUMBER  INUMBER  MATERIAL WILL BE IN  DSDITAL  3  2 X 11" PAPER. THE	45-23057-01  USED OR POSSESSED	FORMATIO	Nort 100 Nort	on Commun 15th Street, I on, Virginia	ity Hospital NW 24273 A NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-016	TO BE CONTACTED ABOUT THIS  In (Physics Assoc.)  FR  65  PPLICATION GUIDE
3. A No 10 No sub 5.	A NE B AM C REI  ADDRESS(ES)  DITON CO 0 15th S  DITON, VI  MIT ITEMS 5 TI  RADIOACTIVE  a. Element an which will	PRICATION FOR (C) W LICENSE ENDMENT TO LICENSE WHERE LICENSED mmunity Ho treet, NW rginia 2427: HROUGH 11 ON 8-12 EMATERIAL CH passessed at any RESPONSIBLE FO	ISE NUMBER  E NUMBER  MATERIAL WILL BE ODSPITAL  3 2 X 11" PAPER. THE	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF IN	FORMATIO	Nort 100 Nort	on Commun 15th Street, I on, Virginia  PROVIDED IS DESCRI	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AN	TO BE CONTACTED ABOUT THIS  In (Physics Assoc.)  FR  65  PPLICATION GUIDE
3. A No 10 No SUB 5.	A NE B AM C REINTON CO O 15th S OPTON, VI RADIOACTIVE a Element an which will INDIVIDUALIS TRAINING EXC	PRICATION FOR (C) W LICENSE ENDMENT TO LICENSE WHERE LICENSED mmunity Ho treet, NW rginia 2427: HROUGH 11 ON 8-12 EMATERIAL CH passessed at any RESPONSIBLE FO	ISE NUMBER  E NUMBER  MATERIAL WILL BE ODSPITAL  3 2 X 11" PAPER. THE	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI	FORMATIO	Nort 100 Nort	on Commun 15th Street, I on, Virginia  PROVIDED IS DESCRI RPOSE(S) FOR WHICH MINING FOR INDIVIDUA DIATION SAFETY PRO	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AI H LICENSED MATERIAL ALS WORKING IN OR FR	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)  IN
3. A NO 10 NO SUB 5.	A NE B AM C REINTON CO O 15th S OPTON, VI RADIOACTIVE a Element an which will INDIVIDUALIS TRAINING EXC	PPLICATION FOR (CONTINUED TO LICENSE ENDMENT TO LICENSE WHERE LICENSED MINISTER LICE	ISE NUMBER  E NUMBER  MATERIAL WILL BE ODSPITAL  3 2 X 11" PAPER. THE	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI	FORMATIO	Nort 100 Nort Nort 100 Nort Nort 100 Nort Nort 100 Nort 1	ON COMMUN 15th Street, I ON, Virginia  PROVIDED IS DESCRI RPOSE(S) FOR WHICH MINING FOR INDIVIDUA DIATION SAFETY PRO ENSEE FEES (See 16	ity Hospital NW 24273  A NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AF H LICENSED MATERIAL ALS WORKING IN OR FR	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)
3. A No 10 No SUB 5.	A NE B AM C REI  ADDRESS(ES)  DITON CO 0 15th S  DITON, Vi  MIT ITEMS 5 TRADIOACTIVE  A Element an which will  INDIVIDUAL(S  TRAINING EXI  FACILITIES AN  WASTE MANA  CERTIFICATIC	PPLICATION FOR (C) W LICENSE ENDMENT TO LICEN NEWAL OF LICENSED MMUNITY HO Treet, NW rginia 2427: HROUGH 11 ON 8-1/ MATERIAL Id mass number, b ci be possessed at any RESPONSIBLE FO PERIENCE NO EQUIPMENT.  AGEMENT	INDEX APPROPRIETE ITEM  ISE NUMBER  INUMBER  MATERIAL WILL BE IN  DOSPITAL  3  2 X 11" PAPER. THE  hemical and/or physics one time.  R RADIATION SAFET	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI al form, and c. madrimum a	FORMATIO	Nort 100 Nort Nort 100 Nort Nort 100 Nort Nort 100 RAI 100 RAI 120 LICI	On Commun 15th Street, I on, Virginia  PROVIDED IS DESCRI RPOSE(S) FOR WHICH MINING FOR INDIVIDUA DIATION SAFETY PRO ENSEE FEES (See 10	ity Hospital NW 24273  A NAME OF PERSON APPLICATION JAMES P. NUM TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AI H LICENSED MATERIAL ALS WORKING IN OR FR GRAM.  CER 170 and Section 17	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)  ER  65  PPLICATION GUIDE  WILL BE USED  EQUENTING RESTRICTED AREAS
3. A No 10 No 5.	THIS IS AN AI NE B AM C RE B AM C RE B AM C RE RE B AM C RE RE B AM C RE	PELICATION FOR (C) W LICENSE ENDMENT TO LICENSE ENDMENT TO LICENSE WHERE LICENSED MMUNITY HO treet, NW rginia 2427: HROUGH 11 ON 8-1/ EMATERIAL Id mass number, b ci Depossessed at any ESSPONSIBLE FO PERIENCE ND EQUIPMENT.  AGEMENT DIN. (Must be complein PPLICANT. NT AND ANY OFFICI WITH TITLE 10, CO THE BEST OF THEIR	INDEX APPROPRIETE ITEM  ISE NUMBER  INUMBER  MATERIAL WILL BE IN  DSPITAL  3  2 X 11" PAPER. THE  hemical and/or physica  one time.  R RADIATION SAFET  The best of the best of the best of the  R RADIATION SAFET  ALE EXECUTING THE  CREATER AND  RECORD RECORD RESERVED THE  CREATER AND  RECORD RECORD RECORD RESERVED THE  CREATER AND  RECORD RECOR	45-23057-01  45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI  al form, and c. maximum a  Y PROGRAM AND THEIR  APPLICANT UNDERSTAN  CERTIFICATION ON BEH/ SULATIONS, PARTS 30, 32  BELIEF	FORMATIO IIIIIOUNT IDS THAT ALF OF THI 2, 33, 34, 35	Nort 100 Nort 100 Nort 100 Nort 100 RAI 10. RAI 12. LICI FEE ALL STATI	ON COMMUNI 15th Street, I ON, Virginia  PROVIDED IS DESCRI RPOSE(S) FOR WHICH MINING FOR INDIVIDUA  DIATION SAFETY PRO ENSEE FEES (See 16 E CATEGORY  EMENTS AND REPRE ANT, NAMED IN ITEM ND 40, AND THAT ALI	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AF H LICENSED MATERIAL ALS WORKING IN OR FR GRAM.  OFFR 170 and Section 17 SENTATIONS MADE IN T 2. CERTIFY THAT THIS A INFORMATION CONTAI	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)  IN
3. / No 10 No 5UB 5. 7. 11. 13.	THIS IS AN AIL  A NE B AM  C REI  ADDRESS(ES)  DITON CO  O 15th S  DITON, VI  MIT ITEMS 5 TI  RADIOACTIVE  B Element an  which will  INDIVIDUAL(S  TRAINING EXI  FACILITIES AI  WASTE MANIN  CERTIFICATIC  UPON THE AFPLICA  CONFORMITY  CORRECT TO  WARNING 11  ANY DEPART	PPLICATION FOR (C) W LICENSE ENDMENT TO LICEN NEWAL OF LICENSED WHERE LICENSED MMUNITY HO Treet, NW rginia 2427: HROUGH 11 ON 8-1/2 MATERIAL Id mass number, b c be possessed at any RESPONSIBLE FO PERIENCE NO EQUIPMENT.  AGEMENT.  IN (Must be completed to the co	INCK APPROPRIETE ITEM  ISE NUMBER  E NUMBER  MATERIAL WILL BE O DSPITAI  3  2 X 11" PAPER. THE hemical and/or physicions time. R RADIATION SAFET  THE OF FEDERAL REC R KNOWLEDGE AND DOTACT OF JUNE 25, DOT THE UNITED STAT	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI al form, and c. mandmum a  Y PROGRAM AND THEIR  CERTIFICATION ON BEH  SULATIONS, PARTS 30, 32  BELIEF  1948 62 STAT, 749 MAKES  TES AS TO ANY MATTER	FORMATIO imount IDS THAT ALF OF THI Z. 33, 34, 33 SIT A CRIM	NOTE 100 NOT	ON COMMUNI 15th Street, I ON, Virginia  PROVIDED IS DESCRI RPOSE(S) FOR WHICH DIATION SAFETY PRO ENSEE FEES (See 16 E CATEGORY EMENTS AND REPRE ANT, NAMED IN ITEM ND 40, AND THAT ALL ENSEE TO MAKE A WILL THOSE TO MAKE A	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AF H LICENSED MATERIAL ALS WORKING IN OR FR GRAM.  OFFR 170 and Section 17 SENTATIONS MADE IN T 2. CERTIFY THAT THIS A INFORMATION CONTAI	TO BE CONTACTED ABOUT THIS  In (Physics Assoc.)  In
3. / No 10 No 5UB 5. 7. 11. 13.	THIS IS AN AI NE B AM C REI B AM C REI B AM C REI B AM C REI C REI B AM C REI	PPLICATION FOR (C) W LICENSE ENDMENT TO LICEN NEWAL OF LICENSED WHERE LICENSED MMUNITY HO Treet, NW rginia 2427: HROUGH 11 ON 8-1/2 MATERIAL Id mass number, b c be possessed at any RESPONSIBLE FO PERIENCE NO EQUIPMENT.  AGEMENT.  IN (Must be completed to the co	INCK APPROPRIETE ITEM  ISE NUMBER  INUMBER  MATERIAL WILL BE TO DS DITA!  3  2 X 11" PAPER. THE hemical and/or physicions time.  R RADIATION SAFET  THE DESCRIPTION OF THE SECOND THE SECON	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI al form, and c. maximum a  Y PROGRAM AND THEIR  APPLICANT UNDERSTAN  CERTIFICATION ON BEH  3ULATIONS, PARTS 30, 32  BELIEF  1948 62 STAT, 749 MAKES  TES AS TO ANY MATTER A	FORMATIO imount IDS THAT ALF OF THI Z. 33, 34, 33 SIT A CRIM	NOTE 100 NOTE 100 NOTE 100 NOTE 100 NOTE 100 RAIL STATE E APPLICE 5, 36, 39 A	ON COMMUNI 15th Street, I ON, Virginia  PROVIDED IS DESCRI RPOSE(S) FOR WHICH DIATION SAFETY PRO ENSEE FEES (See 16 E CATEGORY EMENTS AND REPRE ANT, NAMED IN ITEM ND 40, AND THAT ALL ENSEE TO MAKE A WILL THOSE TO MAKE A	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AF H LICENSED MATERIAL ALS WORKING IN OR FR GRAM.  OFFR 170 and Section 17 SENTATIONS MADE IN T 2. CERTIFY THAT THIS A INFORMATION CONTAI	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)  IN
3. / No 10 No 5UB 5. 7. 11. 13.	THIS IS AN AI NE B AM C REI B AM C REI B AM C REI B AM C REI C REI B AM C REI	PPLICATION FOR (C) W LICENSE ENDMENT TO LICEN NEWAL OF LICENSED WHERE LICENSED MMUNITY HO Treet, NW rginia 2427. HROUGH 11 ON 8-17 EMATERIAL Id mass number, b c) Depossessed at any PRESPONSIBLE FO PERIENCE NO EQUIPMENT.  NT AND ANY OFFICE WITH TITLE 10, COU THE BEST OF THEIR BUSIC SECTION 11 EMENT OR AGENCY LICER TYPEO/PRINT	INCK APPROPRIETE ITEM  ISE NUMBER  E NUMBER  MATERIAL WILL BE O DSPITAI  3  2 X 11" PAPER. THE hemical and/or physicions time. R RADIATION SAFET  THE OF FEDERAL REC R KNOWLEDGE AND DOTACT OF JUNE 25, DOT THE UNITED STAT	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI al form, and c. maximum a Y PROGRAM AND THEIR  APPLICANT UNDERSTAN CERTIFICATION ON BEH 30 LATIONS, PARTS 30, 32 BELIEF 1948 82 STAT, 749 MAKE TES AS TO ANY MATTER V	FORMATIO IMPOUNT INDS THAT ALF OF THI 2, 33, 34, 3; SIT A CRIM	NOTE 100 NOTE 100 NOTE 6. PUI 8. TRA 10. RAI 12. LICI FEE ALL STATI E APPLICA 5. 36, 39 4 JURISDIC SIGNATU	ON COMMUN 15th Street, I ON, Virginia  PROVIDED IS DESCRIPTION INITIAL TO THE STREET OF THE STREET O	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AF H LICENSED MATERIAL ALS WORKING IN OR FR GRAM.  OFFR 170 and Section 17 SENTATIONS MADE IN T 2. CERTIFY THAT THIS A INFORMATION CONTAI	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)  IN (65)  PPLICATION GUIDE  WILL BE USED  PEQUENTING RESTRICTED AREAS  PARTICIPATED IN A HIS APPLICATION IS PREPARED IN NED HEREIN IS TRUE AND  MENT OR REPRESENTATION TO
3. / NO 10 NO 5. 5. 7.	THIS IS AN AI NE B AM C REI B AM C REI B AM C REI B AM C REI C REI B AM C REI	PPLICATION FOR (C) W LICENSE ENDMENT TO LICEN NEWAL OF LICENSED WHERE LICENSED MMUNITY HO Treet, NW rginia 2427. HROUGH 11 ON 8-17 EMATERIAL Id mass number, b c) Depossessed at any PRESPONSIBLE FO PERIENCE NO EQUIPMENT.  NT AND ANY OFFICE WITH TITLE 10, COU THE BEST OF THEIR BUSIC SECTION 11 EMENT OR AGENCY LICER TYPEO/PRINT	INCK APPROPRIETE ITEM  ISE NUMBER  E NUMBER  MATERIAL WILL BE O DSPITAI  3  2 X 11" PAPER. THE hemical and/or physicions time. R RADIATION SAFET  THE OF FEDERAL REC R KNOWLEDGE AND DOTACT OF JUNE 25, DOT THE UNITED STAT	45-23057-01  USED OR POSSESSED  TYPE AND SCOPE OF INI al form, and c. maximum a Y PROGRAM AND THEIR  APPLICANT UNDERSTAN CERTIFICATION ON BEH 30 LATIONS, PARTS 30, 32 BELIEF 1948 82 STAT, 749 MAKE TES AS TO ANY MATTER V	FORMATIO IMPOUNT INDS THAT ALF OF THI 2, 33, 34, 31 NITHIN ITS	NOTE 100 NOTE 100 NOTE 6. PUB 8. TRA 10. RAB 12. LICI FEE ALL STATI E APPLICA 5. 36, 39 A MINAL OFF JURISDIC SIGNATI	ON COMMUN 15th Street, I ON, Virginia  PROVIDED IS DESCRIPTION INITIAL TO THE STREET OF THE STREET O	ity Hospital NW 24273  4. NAME OF PERSON APPLICATION James P. Nun TELEPHONE NUMBE (540) 563-010 BED IN THE LICENSE AF H LICENSED MATERIAL ALS WORKING IN OR FR GRAM.  OFFR 170 and Section 17 SENTATIONS MADE IN T 2. CERTIFY THAT THIS A INFORMATION CONTAI	TO BE CONTACTED ABOUT THIS  IN (Physics Assoc.)  IN (65)  PPLICATION GUIDE  WILL BE USED  PEQUENTING RESTRICTED AREAS  PARTICIPATED IN A HIS APPLICATION IS PREPARED IN NED HEREIN IS TRUE AND  MENT OR REPRESENTATION TO

7 /20

136360

# Norton Community Hospital, Norton Virginia U.S. Nuclear Regulatory Commission License # 45-23057-01 Supplement to USNRC Form 313, Items 5 through 11

- 5. Radioactive material.
- a. Radioactive material: We request approval for the radioactive materials, forms, and maximum amounts in the table below.

Byproduct Material	Chemical/Physical Form	Maximum Amount
Any byproduct material identified in 10 CFR 35.100	Any unsealed byproduct material identified in 10 CFR 35.100	As needed
Any byproduct material identified in 10 CFR 35.200	Any unsealed byproduct material identified in 10 CFR 35.200	As needed

- b. Sealed sources and devices: Not applicable.
- c. Recordkeeping for decommissioning and financial assurance: Response not required.
- 6. Purpose(s) for which permitted material will be used. We request approval for the uses in the table below.

Categories	Uses
10 CFR 35.100	Medical use of unsealed byproduct material for uptake, dilution, and excretion studies for which a written directive is not required
10 CFR 35.200	Medical use of unsealed byproduct material for imaging and localization studies for which a written directive is not required

- 7. Individual(s) responsible for radiation safety program and their training and experience. We request approval for the current Radiation Safety Officer and authorized users as listed below.
  - a. Radiation Safety Officer: Garland Thomas Haines, MD
  - b. Authorized users: Current authorized users as listed in the table below.

Authorized User	Material and Use
Garland Thomas Haines, MD	35.100; 35.200
Srikumar Gopalan, MD	35.100; 35.200

c. Authorized nuclear pharmacist: Response not required.

## Norton Community Hospital, Norton Virginia U.S. Nuclear Regulatory Commission License # 45-23057-01 Supplement to USNRC Form 313, Items 5 through 11

- d. Authorized medical physicist: Response not required.
- 8. Not applicable.
- 9. Facilities and equipment.
- a. Facility diagram: We request approval for the facilities as shown on the attached facility diagrams. We are in the process of adding a second nuclear camera in our department and are moving across the hall from our current location. Please find attached closeout surveys on our old scan room and hot lab that were performed by our consultant physicist.
- (1) Sealed sources, while in storage, will be shielded as necessary to comply with 10 CFR 20 and ensure doses to personnel are ALARA (as low as reasonably achievable).
- (2) When practical two delay methods (e.g., door locks, storage cabinets, or other delay method) will be used to secure sealed sources while in storage.
- b. Radiation monitoring instruments will be calibrated by a person qualified to perform survey meter calibrations. Instruments used to perform required surveys will be based on NUREG-1556, Volume 9, Appendix K, "Equipment Selection" and Table K.1. We reserve the right to upgrade instruments as necessary as long as the upgraded instruments are adequate to measure the type and level of radiation being used.
- c. Equipment used to measure dosages will be calibrated per nationally recognized standards or the manufacturer's instructions.
  - d. Dosimetry equipment calibration and use: Response not required.
  - e. Other equipment and facilities: Response not required.
- 10. Radiation protection program.
  - a. Safety procedures and instructions: Response not required.
- b. Occupational dose: We will complete either a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR 20 or provide dosimetry per the "Criteria" and "Discussion" paragraphs in NUREG-1556, Volume 9, section 8.22.
- c. Area surveys: We have developed and will implement and maintain written procedures for area surveys per 10 CFR 20.1101 that meet the requirements in 10 CFR 20.1501 and 10 CFR 35.70.

# Norton Community Hospital, Norton Virginia U.S. Nuclear Regulatory Commission License # 45-23057-01 Supplement to USNRC Form 313, Items 5 through 11

- d. Safe use of unsealed radioactive material: We have developed and will implement and maintain procedures for safe use of unsealed radioactive material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1301.
- e. Spill procedures: We have developed and will implement and maintain written procedures for safe response to spills of permitted material per 10 CFR 20.1101.
- f. Installation, maintenance, adjustment, repair, and inspection of therapy devices containing sealed sources: Response not required.
  - g. Minimization of contamination: Response not required.
- 11. Waste management. We have developed and will implement and maintain written waste disposal procedures for permitted material per 10 CFR 20.1101 that also meet the requirements of the applicable section of Subpart K to 10 CFR 20 and 10 CFR 35.92.

Attachment: Facility diagrams

## **Norton Community Hospital Closeout Survey Questionnaire**

USNRC Materials License Number: 45-23057-01

Building/room location: Radiology Department rooms 1693 & 1664

1. List radionuclides used in the room; circle form used (Sealed, Unsealed, or Gas):

Radionuclides Used	Form Used	First Use Date	Last Use Date
Tc-99m	S Ū G	1985	Dec 2004
Ga-67	S Ú G	1985	Dec 2004
I-123	S Ū G	1985	Dec 2004
Xe-133	S U G	1985	Dec 2004
Co-57	SU G	1985	Dec 2004
Cs-137	<b>③</b> U G	1985	Dec 2004
Ba-133	(S) U G	1985	Dec 2004
T1-201	s (f) G	1985	Dec 2004
	SUG		
	S U G		

2.	Did a major spill occur in	n the room whic	h resulted in residual radioactivity?
	[⊠] No	[ ] Yes	(if yes, attach description)
3.	Did any sealed sources	stored or used i	n the room leak or fail a leak test?
	[⊠] No	[ ] Yes	(if yes, attach description)
	Were sealed sources whom the room?	ich require a le	ak test transferred or relocated
	[⊠] No test results)	[ 🗌 ] Yes	(if yes, attach regulatory current
5.	Were all radioactive mat	terials, sources	, and equipment removed?
	[ 🔲 ] No	[ 🔯] Yes	(if no, attach description)
6. 9?	<del>-</del>	methods follow	best practices in NUREG 1556 Vol.
	[ 🔲 ] No	[⊠] Yes	(if no, attach alternate methods)
	orton Community Hospital C ge 1 of 1, Created on 1/3/20	•	

7. What survey in	nstrument	s were used?	
Exposure rate	measurem	<u>ents</u>	
Survey meter/pr With EWGM S/N F			Ludium Model 14-C S/N 170045 85 mg/cm^2)
Calibration date	e: 11/7/200	14	
Background rea	ading in ml	R per hour:0.02	mR/hr
Surface scans	for fixed ra	dioactivity	
Survey meter/p With EWGM S/N P			Ludium Model 14-C S/N 170045 35 mg/cm^2)
Calibration date	e: 11/7/200	4	
Background rea	ading in CF	PM or DPM:50 cp	om .
Swipe surveys	for remova	ible radioactive	contamination
Counting equip S/N 174246	ment manı	ufacturer/model:	:Cpaintec CRC-15W well counter
Background co	unts:597 (a	auto background	d subtraction)
Calibration sou	rce counts	::299900 cpm (0	.5 uCi on 8/1/2004)
Calibration sou	rce efficie	ncies:27 %	
Minimum detec	table activ	rities (uCi or DP	M):426 dpm
8. Were any resu fixed radioactivit			surements or surface scans for f readings?
<b>(⊠</b> 1	No	[ ] Yes	(if yes, attach description)
9. Were any swip NUREG 1556, Vol	-	_	han applicable release criteria in
( <b>X</b> )	No	[[]] Yes	(if yes, attach description)
10. Information a	ttached (o	ther than listed	above).

Norton Community Hospital Closeout Surveys Page 2 of 2 , Created on 1/3/2005 11:38 AM

[igotimes] Room diagram

[_]]	Survey grid
<b>(</b> ⊠)	Counting system calibration/quality assurance results
( <u> </u>	Other (specify)
Point of contact N Roanoke Virginia	lame: James P. Nunn Physics Associates (45-17344-01)

Telephone number/e-mail address:(540) 563-0165 Cell (540 353-2597

### Norton Community Hospital Closeout Survey Results Rooms 1664 and 1663

- 1. Numbers in the upper left corner of each box correspond to numbers on the room diagram.
- 2. Exposure rate measurements in mR per hour. Background reading: 0.02 mR per hour
- 3. Scanning survey results in counts per minute (CPM). Background reading: 50 CPM
- 4. DPM1 and DPM2, swipe survey results, in disintegrations per minute per 100 centimeters squared (DPM) for two energy levels, (upper=201Ti, 57Co, 133Xe, 99mTc, 111In, etc; and lower=129I), where:

DPM1: background counts 597 calibration source 299.9 kcpm efficiency 27%

energy range/radionuclides evaluated 50 keV ->1.5 MeV MDA 426 dpm

DPM<sup>2</sup>: background counts NA calibration source efficiency

energy range/radionuclides evaluated MDA

1	2	3	4	5
mR: 0.02	mR: 0.02	mR: 0.02	mR: 0.02	mR: 0.02
CPM: 50	CPM: 50	CPM:50	CPM:50	CPM: 50
DPM¹: 70	DPM1: BKG	DPM1: 44	DPM1: 3	DPM¹: BKG
DPM2:	DPM <sup>2</sup> :	DPM2:	DPM <sup>2</sup> :	DPM <sup>2</sup> :
6	7	8	9	10
mR: 0.02	mR:	mR:	mR:	mR:
CPM: 50	СРМ:	СРМ:	СРМ:	СРМ:
DPM <sup>1</sup> : 118	DPM¹:	DPM¹:	DPM¹:	DPM¹:
DPM²:	DPM <sup>2</sup> :	DPM²:	DPM <sup>2</sup> :	DPM <sup>2</sup> :
11	12	13	14	15
mR:	mR:	mR:	mR:	mR:
СРМ:	CPM:	СРМ:	CPM:	CPM:
DPM¹:	DPM¹:	DPM1:	DPM¹:	DPM¹:
DPM <sup>2</sup> :	DPM²:	DPM²:	DPM <sup>2</sup> :	DPM²:



Facility: Norton Community Hospital

### STANDARD INFORMATION

ID: Cs-137

T(1/2) Yrs:

30.200

Abundance(#/dis.): 1.0000 CAL DATE - Year: 2004

Day: 1

2004 **Month:** 

\* \* Standard activity units: 1 = uCi, 2 = dpm, 3 = Bq \* \*

Enter activity unit choice (1-3): uCi on Calib. Date:

0.5000

### COUNTING DATA

Counting time in minutes for:

Bkd: 1.00 Standards:

1.00

Date Counted- Year: 2005 Month: 1 Day: 3

Instrument Used: Capintec CRC-15W S/N 174246

Counted By: James P. Nunn

Physics Associates

1.0	
Background	
Standard	

Counts 597 300497

## RESULTS

Ctg. Efficiency = 0.2728 or

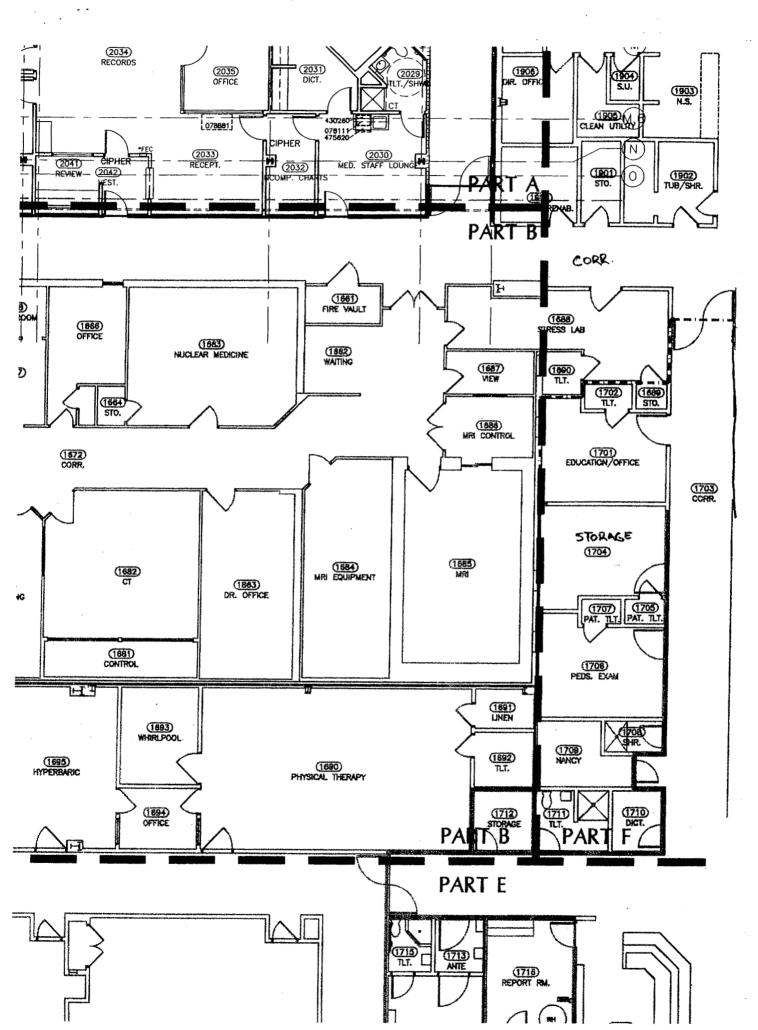
27%

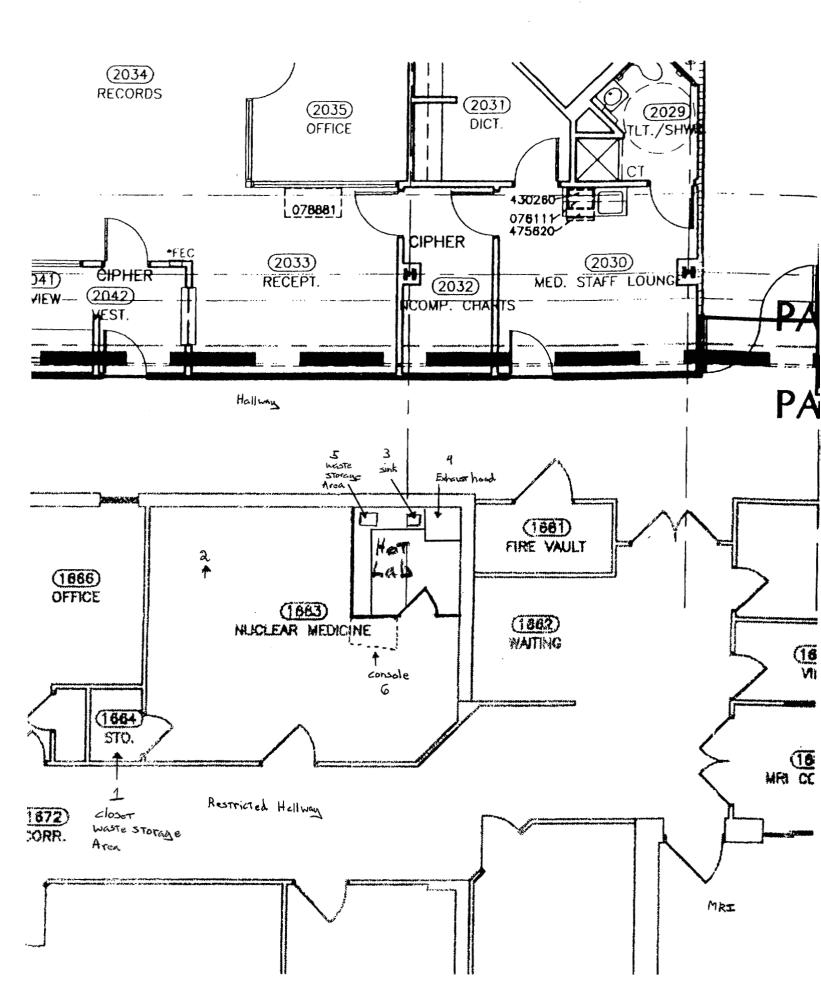
	-	LLD/MDA	
	Computed	Computed	Computed
Method	uCi	dpm	Bq
NCRP 58	1.92E-04	4.26E+02	7.11E+00
NRC	1.88E-04	4.17E+02	6.96E+00
3 x SD(bkd)	1.21E-04	2.69E+02	4.48E+00



### Comments:

Repalcement unit.





	e receipt of your letter/application dated, and to inform you that the initial processing which e review has been performed.
	estrative omissions. Your application was assigned to a lease note that the technical review may identify additional additional information.
Please provide to this	office within 30 days of your receipt of this card
	been forwarded to our License Fee & Accounts Receivable you separately if there is a fee issue involved.
Your action has been ass When calling to inquire a You may call us on (610)	bout this action, please refer to this control number. 337-5398, or 337-5260.
NRC FORM 532 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader

.

		: (FOR LFMS USE) : INFORMATION FROM LTS
BETWEEN:		;
License Fee Management Branch, ARM and Regional Licensing Sections		: Program Code: 02121 Status Code: 2 Fee Category: 7C Exp. Date: 20050228 Fee Comments: CODE 23 Decom Fin Assur Reqd: N
LICENSE FEE TRANSM	ITTAL	
A. REGION	T .	
	nsee: NORTON COMMUN 20050127 3020223	NITY HOSPITAL
2. FEE ATTACHED Amount: Check No.:	_	
3. COMMENTS	Signed Date	M. a. lechina
B. LICENSE FEE MAN	AGEMENT BRANCH (Chec	ck when milestone 03 is entered //)
1. Fee Category a	and Amount:	
	id. Application may	y be processed for:
3. OTHER		
	Signed	

Date