



Arkansas Department of Health

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Governor Mike Beebe

Paul K. Halverson, DrPH, FACHE, Director and State Health Officer

February 6, 2012

James G. Luehman, Deputy Director
Division of Materials Safety and State Agreements
Office of Federal and State Materials and
Environmental Management Programs
U.S. Nuclear Regulatory Commission
T8-E24
Washington, D.C. 20555-0001

Dear Mr. Luehman:

Enclosed is a copy of the proposed revisions to the Arkansas State Board of Health's Rules and Regulations for Control of Sources of Ionizing Radiation, effective October 1, 2006. These 2012 proposed revisions will be made available for public comment on approximately May 7, 2012 with a request for comments by approximately June 7, 2012. We request the Nuclear Regulatory Commission's comments by March 23, 2012. The proposed regulations are identified by a right-sided border and correspond to the following equivalent amendments to the NRC's regulations:

RATS ID	Title	State Section
2001-1	Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material	Section 2
2004-1	Compatibility with IAEA Transportation Safety Standards and Other Transportation Safety	Section 4 (Section 3)
2005-2	Medical Use of Byproduct Material – Recognition of Specialty Boards	Section 9
2006-1	Minor Amendments	Sections 2, 3, and 9
2006-3	National Source Tracking System	Section 3 (currently by license condition)
2007-1	Medical Use of Byproduct Material – Minor Corrections and Clarifications	Sections 2 and 9
2007-2	Exemptions from Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting Requirements	Section 2
2007-3	Requirements for Expanded Definition of Byproduct Material	Sections 2, 3, and 9
2008-1	Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent	Section 3
2009-1	Medical Use of Byproduct Material – Authorized User Clarification	Section 9

We believe that adoption of these revisions satisfies the compatibility and health and safety categories established in the Office of Federal and State Materials and Environmental Programs (FSME) Procedure SA-200. Attached are cross-references for the ten RATS ID's listed above.

Enclosed, in addition, is the Department's response to comments received from the NRC dated March 7, 2008 regarding RATS ID's 1996-1/2004-1, 2001-1, 2005-2, and 2006-1; and October 24, 2011 regarding RATS ID's 1995-3 and 1998-6 and two regulations outside of a particular RATS ID.

Also, please review these additional sections:

RH-8401., RH-8403., RH-8705.	10 CFR 35.60, 35.63, 35.2060
RH-1504.b.2., RH-2804.a.2., Form Y (Appendix K to Section 3), Form Z (Appendix L to Section 3)	10 CFR 20.2203(b)(2), 19.13(a), NRC Form 5, NRC Form 4
RH-1801.e.3.A.	10 CFR 34.25(b)(1)
RH-1309.	10 CFR 20.1904
Former RH-402.a. is now RH-402.l. and m. (Schedule A to Section 2 is to be deleted.)	10 CFR 31.3
RH-1311.	No equivalent?

If you have any questions, please feel free to contact me at (501) 661-2301 or Angela Minden of my staff at (501) 661-2528 or via electronic mail to Bernard.Bevill@arkansas.gov.

Sincerely,



Bernard (Bernie) Bevill, Section Chief
Radiation Control Section
Arkansas Department of Health

Enclosures: As stated

BB:AM

ARKANSAS' RESPONSE TO COMMENTS DATED MARCH 7, 2008 REGARDING PROPOSED REGULATIONS
RATS ID's 2001-1, 2004-1, 2005-2, and 2006-1

STATE SECTION		NRC SECTION	RATS ID	COMP.	SUBJECT and COMMENTS	RESPONSE
1	RH-402(b)	31.5(a)	2001-1	B	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	Compatibility is now demonstrated via RH-402.a. Former RH-402.a., "Certain Devices and Equipment," moved to RH-402.l. and m., and Schedule A to Section 2 was deleted.
2	RH-402 (b)(3)(M)	31.5(c)(13)	2001-1	B	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	References are corrected. Arkansas desires RH-402.c.13.D. to be as stated.
3	RH-3100 (o)	71.4	2004-1	[B]	Definitions: Fissile Material	RH-3100.o. has been revised.
4	RH-3100(r)	71.4	2004-1	[B]	Definitions: LSA	RH-3100.r. has been revised.
5	RH-3100(s)	71.4	2004-1	[B]	Definitions: Low Toxicity Alpha Emitter	RH-3100.s. has been revised.
6	RH-3301(b)	71.14(b)	2004-1	NRC	Exemption for low-level materials.	RH-3301. is now RH-3202. RH-3202. only has paragraph a.
7	RH-3306	71.23	2004-1	[B]	General license: Plutonium beryllium special form material.	Equation is as listed in 10 CFR 71.23.

ARKANSAS' RESPONSE TO COMMENTS DATED MARCH 7, 2008 REGARDING PROPOSED REGULATIONS
RATS ID's 2001-1, 2004-1, 2005-2, and 2006-1

STATE SECTION		NRC SECTION	RATS ID	COMP.	SUBJECT and COMMENTS	RESPONSE
8	RH-3503	71.87	2004-1	[B]	Routine determinations.	RH-3503.h. now references 10 CFR 71.45.
9	RH-3504	71.88	2004-1	[B]	Air transport of plutonium.	RH-3504. has been revised.
10	RH-3509	71.97	2004-1	[B]	Advance notification of shipment of irradiated reactor fuel and nuclear waste.	RH-3509.c.2. has been revised.
11	RH-3600	71.101(c)(2), (d), and (e)	2004-1	NRC	Quality assurance requirements.	These paragraphs have been removed from RH-3600.
12	RH-2700	Part 71 Appendix A	2004-1	[B]	Determination of A₁ and A₂	Appendix A to Section 4, "Determination of A ₁ and A ₂ ," has been revised.
13	N/A	35.2	2005-2	B	Definitions: Preceptor	This definition is found in RH-8100.ac.
14	RH-8317	35.55	2005-2	B	Training for an authorized nuclear pharmacist	See proposed RH-8317.
15	RH-8318	35.57	2005-2	B	Training for experienced Radiation Safety Officer, teletherapy or medical physicist, authorized medical physicist, authorized user, nuclear pharmacist, and authorized nuclear pharmacist	The date in RH-8318.a.1. has been revised.

ARKANSAS' RESPONSE TO COMMENTS DATED MARCH 7, 2008 REGARDING PROPOSED REGULATIONS
RATS ID's 2001-1, 2004-1, 2005-2, and 2006-1

STATE SECTION		NRC SECTION	RATS ID	COMP.	SUBJECT and COMMENTS	RESPONSE
16	RH-8510	35.190	2005-2 2006-1	B	Training for uptake, dilution, and excretion studies.	Reference to RH-8560. has been included in RH-8510.b. RH-8510. has been revised to address this comment.
17	N/A	35.200	2005-2 2006-1	H&S	Use of unsealed byproduct material for imaging and localization studies for which a written directive is not required.	See RH-8530.
18	RH-8570	35.392	2005-2 2006-1	B	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries).	References have been corrected in RH-8570.
19	RH-405 (I)(2)(B)	32.72	2006-1	B	Manufacture, preparation, or transfer for commercial distribution of radioactive drugs containing byproduct material for medical use under part 35.	See RH-405.I.2.B.ii.
20	RH-405(n)	32.74	2006-1	B	Manufacture and distribution of sources or devices containing byproduct material for medical use.	RH-405.n.1. has been revised.
21	N/A	35.59	2006-1	B	Recentness of training.	See RH-8319.

ARKANSAS' RESPONSE TO COMMENTS DATED MARCH 7, 2008 REGARDING PROPOSED REGULATIONS
RATS ID's 2001-1, 2004-1, 2005-2, and 2006-1

STATE SECTION		NRC SECTION	RATS ID	COMP.	SUBJECT and COMMENTS	RESPONSE
22	RH-8550	35.300	2006-1	B	Use of Unsealed Radioactive Material for Which a Written Directive is Required	RH-8550.b.2. has been revised.

ARKANSAS' RESPONSE TO COMMENTS DATED OCTOBER 24, 2011 REGARDING PROPOSED REGULATIONS
RATS ID's 1995-3, 1998-6, and those comments not associated with a RATS ID

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT	RESPONSE
1	RH-1406	§20.2006	1998-6	B	Transfer for disposal and manifests *Comment Stands from April 30, 2003 Letter	All references to Appendix F to Part 20 have been removed as of this regulation package.
2	RH-2795 Appendix J	Part 20 Appendix G	1995-3	B	Requirements for Low-level Waste Transfer for disposal at land disposal facilities and Manifest *Comment Stands from April 30, 2003 Letter	RH-2795/Appendix J has been deleted. Appendix G to Part 20 has been referenced instead.
3	RH-1302	§20.1502	None	H&S	Conditions requiring individual monitoring of external and internal occupational dose *Comment Stands from April 30, 2003 Letter	RH-1302.a. and b. have been corrected accordingly. RH-1302.a.5. has been added.
4	None	§20.1905	None	A	Exceptions to labeling requirements *Comment Stands from April 30, 2003 Letter	Exemptions to labeling requirements are now addressed in the new RH-1310. (formerly RH-1303.h.3.).

Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material

(65 FR 79162, Published December 18, 2000) RATS ID: 2001-1 Effective: 2/16/01

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§30.31	Types of Licenses	RH-400.	C	
§30.34	Terms and conditions of licenses	RH-409.g.1.	H&S	
§31.1	Purpose and scope	N/A	D	
§31.2	Terms and conditions	N/A	D	Located with each GL type
§31.5(a)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.a.	B	
§31.5(b)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.b.1 and b.2.	B	
§31.5(c)(1)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.	B	
§31.5(c)(2)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.2.	B	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§31.5(c)(3)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.3.	B	
§31.5(c)(4)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.4.	B	
§31.5(c)(5)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.5.	B	
§31.5(c)(6)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.6.	B	
§31.5(c)(7)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.7.	B	
§31.5(c)(8)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.8.	B	
§31.5(c)(9)(i)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized	RH-402.c.9.	B	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	atmosphere			
§31.5(c)(10)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.10.	B	
§31.5(c)(11)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.11.	B	
§31.5(c)(12)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.12.	B	
§31.5(c)(13)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.13.	B	Arkansas desires RH-402.c.13.D. to read as such.
§31.5(c) (14)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.14.	B	
§31.5(c)(15)	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.15.	B	
§31.5(d)	Certain detecting, measuring, gauging,	RH-402.d.	B	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	or controlling devices and certain devices for producing light or an ionized atmosphere			
§31.6	General license to install devices generally licensed in § 31.5	RH-750.a.2.	B	Revised RH-750. in its entirety.
§32.51(a)(4)(5)	Byproduct material contained in devices for use under Sec. 31.5; requirements for license to manufacture, or initially transfer.	RH-405.e.1.E. and F.	B	Also revised intro. paragraph and title.
§32.51a(a)	Same: Conditions of licenses.	RH-405.e.4.A.	B	
§32.51a(b)	Same: Conditions of licenses.	RH-405.e.4.B.i.	B	
§32.52(a)	Same: material transfer reports and records	RH-405.e.5.	B	
§32.52(b)	Same: material transfer reports and records	RH-405.e.5.B.	B	
§32.52(c)	Same: material transfer reports and records	RH-405.e.5.C.	B	

Compatibility With IAEA Transportation Safety Standards (TS-R-1) and Other Transportation Safety Amendments

(69 FR 3697, 58038 January 26, 2004) **RATS ID 2004-1** Effective date 10/1/04

Due for State adoption: October 1, 2007

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§71.0	Purpose and scope.	RH-3002.	D	
§71.0 (c)	Purpose and scope.	RH- 3002.c.	[B]	
§71.1	Communications and records.	RH-3003.	D	
§71.2	Interpretations.	-	D	
§71.3	Requirement for license.	RH- 3004.	[B]	
§71.4	Definitions.	RH- 3100.a.	[B]	
§71.4	Definitions.	RH-3100.b.	[B]	
§71.4	Definitions.	RH- 3100.c.	[B]	
§71.4	Definitions.	RH- 3100.d.	D- for those States which have no licensees that use Type B packages. or [B]- for those States which have licensees that use Type B packages.	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§71.4	Definitions.	RH- 3100.e.	D- for those States which have no licensees that use Type B packages. or [B]- for those States which have licensees that use Type B packages.	
§71.4	Definitions.	RH-3100.g.	D	
§71.4	Definitions.	RH- 3100.h.	[B]	
§71.4	Definitions.	RH-3100.i.	D	
§71.4	Definitions.	RH-3100.j.	[B]	
§71.4	Definitions.	RH- 3100.k.	[B]	
§71.4	Definitions.	RH- 3100.l.	B	
§71.4	Definitions.	RH-3100.m.	D	
§71.4	Definitions.	RH- 3100.n.	[B]	
§71.4	Definitions.	RH-3100.o.	[B]	
§71.4	Definitions.	RH- 3100.p.	B	
§71.4	Definitions.	RH-3100.q.	[D]	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§71.4	Definitions.	RH- 3100.r.	[B]	
§71.4	Definitions.	RH-8100.s.	[B]	
§71.4	Definitions.	RH-3100.t.	D	
§71.4	Definitions.	RH-3100.u.	[B]	
§71.4	Definitions.	RH-3100.v.	[B]	
§71.4	Definitions.	RH-3100.w.	D	
§71.4	Definitions.	RH-3100.x.	[B]	
§71.4	Definitions.	RH-3100.y.	[B]	
§71.4	Definitions.	RH-3100.z.	[B]	
§71.4	Definitions.	RH-3100.aa.	[B]	
§71.4	Definitions.	RH-3100.ab.	D	
§71.4	Definitions.	RH-3100.ac.	D	
§71.4	Definitions.	RH-3100.ad.	[B]	
§71.4	Definitions.	RH-3100.ae.	[B]	
§71.4	Definitions.	RH-3100.af.	[B]	
§71.4	Definitions.	RH-3100.ag.	[B]	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§71.4	Definitions.	RH-3100.ah.	[B]	
§71.4	Definitions.	RH-3100.ai.	[B]	
§71.5	Transportation of licensed material.	RH-3005.	[B]	
§71.6	Information collection requirements: OMB approval.	N/A	D	
§71.7	Completeness and accuracy of Information.	-	D	
§71.8	Deliberate misconduct.	RH-1511.	C	
§71.9	Employee protection.	N/A	D	
§71.10	Public inspection of application.	N/A	D	
§71.11		-		(now "Protection of Safeguards Information")
§71.12	Specific exemptions.	RH-3200.	D	
§71.13	Exemption of	RH-3201.	[B]	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	physicians.			
§71.14 (a)	Exemption for low-level materials.	RH-3202.	[B]	
§71.14 (b)	Exemption for low-level materials.	N/A	NRC	
§71.15	Exemption from classification as fissile material.	RH-3203.	[B]	
§71.16	[Reserved]			
§71.17	General license: NRC-approved package.	RH-3301.	[B]	
§71.18	[Reserved]			(71.19 equivalent (our 2006 reg's RH-3303.) was deleted and marked reserved (RH-3302. now.)
§71.20	General license: DOT specification container.	Deleted.	[B]	Our 2006 reg's RH-3304. was deleted and marked reserved. (RH-3303. now.)
§71.21	General license: Use of foreign approved package.	RH-3304.	[B]	
§71.22	General license:	RH-3305.	[B]	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	Fissile material.			
§71.23	General license: Plutonium beryllium special form material.	RH-3306.	[B]	
§71.24	[Reserved]			
§71.25	[Reserved]			
§71.47	External radiation standards for all packages.	RH-3400.	[B]	
§71.53	[Reserved]			
§71.81	Applicability of operating controls and procedures.	RH-3500.	D	
§71.83	Assumptions as to unknown properties.	RH-3501.	[B]	
§71.85	Preliminary determinations.	RH-3502.	[B]	
§71.87	Routine determinations.	RH-3503.	[B]	
§71.88	Air transport of	RH-3504.	[B]	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	plutonium.			
§71.89	Opening instructions.	RH-3505.	[B]	
§71.91	Records.	RH-3506.	D	
§71.93	Inspection and tests.	RH-3507.	D	
§71.95	Reports.	RH-3508.	D	
§71.97	Advance notification of shipment of irradiated reactor fuel and nuclear waste.	RH-3509.	B	
§71.99	Violations.	-	D	
§71.100	Criminal penalties.	N/A	D	
§71.101 (a), (b), (c)(1)	Quality assurance requirements.	RH-3600.a.-c.	<p>D for those States which have no users of Type B packages-other than Industrial Radiography</p> <p>C for those States which have users of Type B packages-other than Industrial Radiography.**</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B Package users are covered by 10 CFR 34.31(b). It is also</p>	

Change to NRC Section	Title	State Section	Comp. Category	Comments
			indicated that this section satisfies § 71.12 (b) and thus would satisfy those sections referenced in this provision (§§ 71.101 through 71.137)	
§71.101 (c)(2), (d)&(e)	Quality assurance requirements.	N/A	NRC	
§71.101 (f)	Quality assurance requirements.	RH-3600.d.	D	
§71.101 (g)	Quality assurance requirements.	RH-3600.e.	C	
§71.103 (a)	Quality assurance organization.	RH-3601.a.	<p>[C] for those States which have users of Type B packages-other than Industrial Radiography</p> <p>D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision (§§71.101 through 71.137.)</p>	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§71.103 (b)	Quality assurance organization.	RH-3601.b.	C for those States which have users of Type B packages-other than Industrial Radiography D otherwise	
§71.103 (c), (d), (e)&(f)	Quality assurance organization.	RH-3601.c.-f.	D	
§71.105 (a), (c)&(d)	Quality assurance program.	RH-3602.a., c., d.	C for those States which have users of Type B packages-other than Industrial Radiography** D otherwise **Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision (§§71.101 through 71.137.)	
§71.105 (b)	Quality assurance program.	RH-3602.b.	[C]	
§71.127	Handling, storage,	RH-3603.	[C]- for those States which have	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	and shipping control.		<p>users of Type B packages-other than Industrial Radiography**</p> <p>D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision (§§71.101 through 71.137.)</p>	
§71.129	Inspection, test, and operating status.	RH-3604.	<p>[C]- for those States which have users of Type B packages-other than Industrial Radiography**</p> <p>D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision (§§71.101 through 71.137.)</p>	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§71.131	Nonconforming materials, parts, or components.	RH-3605.	<p>[C]- for those States which have users of Type B packages-other than Industrial Radiography**</p> <p>D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision (§§71.101 through 71.137.)</p>	
§71.133	Corrective action.	RH-3606.	<p>C- for those States which have users of Type B packages-other than Industrial Radiography**</p> <p>D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision</p>	

Change to NRC Section	Title	State Section	Comp. Category	Comments
			(§§71.101 through 71.137.)	
§71.135	Quality assurance records.	RH-3607.	<p>C- for those States which have users of Type B packages-other than Industrial Radiography** D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision (§§71.101 through 71.137.)</p>	
§71.137	Audits.	RH-3608.	<p>C - for those States which have users of Type B packages-other than Industrial Radiography**D otherwise</p> <p>**Note: 10 CFR Part 71.101 (g) indicates that QA programs for industrial radiography Type B package users are covered by 10 CFR 34.31 (b). It also indicated that this section satisfies §71.12 (b) and thus would satisfy those sections referenced in this provision</p>	

Change to NRC Section	Title	State Section	Comp. Category	Comments
			(§§71.101 through 71.137.)	
Appendix A to Part 71	Determination of A ₁ and A ₂	Appendix A to Section 4	[B]	

Medical Use of Byproduct Material - Recognition of Specialty Boards - Part 35

(70 FR 16336) RATS ID # 2005-2 Effective date 4/29/05

Date due for State Adoption : 4/29/08

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 35.2	Definitions.	RH-8100.ac. RH-8100.ag.	B B	Preceptor definition RSO definition
§ 35.8	Information collection requirements: OMB approval.	N/A	D	
§ 35.10	Implementation.	RH-8001.	D	Deleted RH-8001.a.
§ 35.13	License amendments.	RH-8011.	D	
§ 35.14	Notifications.	RH-8020.	D	
§ 35.50	Training for Radiation Safety Officer.	RH-8315.	B	In § 35.50, paragraph (a), the introductory text of paragraph (b)(1)(I), paragraphs (b)(1)(ii)(G), and (c) are revised, paragraph (b)(2) is removed and reserved, and paragraphs (d) and (e) are added.
§ 35.51	Training for an authorized medical physicist.	RH-8316.	B	In § 35.51, paragraphs (a) and (b) are revised, and paragraph (c) is added.
§ 35.55	Training for an authorized nuclear pharmacist.	RH-8317.	B	In § 35.55, paragraphs (a), (b)(1)(I) introductory text, and (b)(2) are revised.

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§35.57	Training for experienced Radiation Safety Officer, teletherapy or medical physicist, authorized medical physicist, authorized user, nuclear pharmacist, and authorized nuclear pharmacist.	RH-8318.	B	Section 35.57 is revised.
§ 35.75	Release of individuals containing unsealed byproduct material or implants containing byproduct material.	RH-8420.	C, paragraphs (a) and (b) D- paragraphs (c) and(d)	In § 35.75, paragraph (a), footnote 1, remove “(draft)”.
§ 35.100	Use of unsealed byproduct material for uptake, dilution, and excretion studies for which a written directive is not required.	RH-8500.b.2.	H&S	In § 35.100, paragraph (b)(2) is revised.
§ 35.190	Training for uptake, dilution, and excretion studies.	RH-8510.	B	In § 35.190, paragraphs (a), the introductory text of (c)(1), (c)(1)(ii)(B) and (c)(2) are revised.
§ 35.200	Use of unsealed byproduct material for imaging and localization studies for which a written directive is not required.	RH-8530.b.2.	H&S	In § 35.200, paragraph (b)(2) is revised.

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 35.290	Training for imaging and localization studies.	RH-8540.	B	In § 35.290, paragraphs (a), (b), the introductory text of (c)(1) and (c)(1)(ii) introductory text, (c)(1)(ii)(B), and (c)(2) are revised.
§ 35.390	Training for use of unsealed byproduct material for which a written directive is required.	RH-8560.	B	In § 35.390, paragraph (a), the introductory text of paragraphs (b)(1) and (b)(1)(ii) introductory text, paragraphs (b)(1)(ii)(B), (b)(1)(ii)(G)(1), (3) and (4), and (b)(2) are revised, and paragraph (b)(1)(ii)(F) is removed and reserved.
§ 35.392	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries).	RH-8570.	B	In § 35.392, paragraphs (a), (c)(2)(ii) and (c)(3) are revised.
§ 35.394	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries).	RH-8580.	B	In § 35.394, paragraphs (a), (c)(2)(ii) and (c)(3) are revised.
§ 35.396	Training for the parenteral administration of unsealed byproduct material requiring a written directive.	RH-8590.	B	Section 35.396 is added.

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 35.490	Training for use of manual brachytherapy sources.	RH-8610.	B	In § 35.490, paragraphs (a), (b)(2) and (b)(3) are revised.
§ 35.491	Training for ophthalmic use of strontium-90.	RH-8615.	B	In § 35.491, paragraph (b)(3) is revised.
§ 35.590	Training for use of sealed sources for diagnosis.	RH-8621.	B	In § 35.590, paragraphs (a) and (b) are revised and paragraph (c) is added.
§ 35.690	Training for use of remote afterloader units, teletherapy units, and gamma stereotactic radiosurgery units.	RH-8660.	B	In § 35.690, paragraphs (a), (b)(2) and (b)(3) are revised, and paragraph (c) is added.
§ 35.980	Training for an authorized nuclear pharmacist.	N/A	D	NRC deleted.

Minor Amendments- Part 20, 30, 32, 35, 40, and 70
(71 FR 15005) RATS ID # 2006-1 Effective date 03/27/06
Date Due For State Adoption 03/27/09
ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
20. Appendix B	Standards For Protection Against Radiation -List of Elements	Appendix F to Section 3	A	In Appendix B to Part 20, List of Elements, the Element Thalium, Atomic Number 69, should be changed to read as Thulium.
20. Appendix D	Standards For Protection Against Radiation -United States Nuclear Regulatory Commission Regional Offices	N/A	D	
§ 30.6	Communications.	RH-1003.	D	
§ 32.72	Manufacture, preparation, or transfer for commercial distribution of radioactive drugs containing byproduct material for medical use under part 35.	RH-405.I.2.B.ii.	B	In § 32.72, paragraph (b)(2)(ii) is revised.
§32.74	Manufacture and distribution of sources or devices containing byproduct material for medical use.	RH-405.n.1.	B	In § 32.74, the introductory text of paragraph (a) is revised.
§35.2	Definitions	RH-8100.d.	B	<i>Authorized medical physicist</i> definition

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 35.2	Definitions	RH-8100.e.	B	<i>Authorized nuclear pharmacist</i> definition
§ 35.2	Definitions	RH-8100.f.	B	<i>Authorized user</i> definition (We added reference to RH-8615.a.)
§ 35.2	Definitions	RH-8100.ag.	B	<i>Radiation Safety Officer</i> definition
§ 35.2	Definitions	N/A	D	<i>Medical event</i> definition
§ 35.8	Information collection requirements: OMB approval.	N/A	D	
§ 35.10	Implementation	RH-8001.	D	
§ 35.13	License Amendments	RH-8011.	D	Paragraph b. was revised.
§ 35.14	Notifications	RH-8020.	D	
§ 35.49	Suppliers for sealed sources or devices for medical use.	RH-8310.c.	C	In § 35.49, paragraph (b) is revised.
§ 35.50	Training for Radiation Safety Officer.	RH-8315.a.2.B.ii.	B	In § 35.50, paragraph (a)(2)(ii)(B) is revised.
§ 35.51	Training for an authorized medical physicist.	RH-8316.a.2.B. RH-8316.b.2.	B	In § 35.51, paragraphs (a)(2)(ii) and (b)(2) are revised.
§ 35.59	Recentness of training.	RH-8319.	B	Section 35.59 is revised.

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 35.65	Authorization for calibration, transmission, and reference sources.	RH-8404.	D	
§ 35.100	Use of unsealed byproduct material for uptake, dilution, and excretion studies for which a written directive is not required.	RH-8500.b.2.	H&S	In § 35.100, paragraph (b)(2) is revised.
§ 35.190	Training for uptake, dilution, and excretion studies.	RH-8510.	B	In § 35.190, paragraphs (b), (c)(1)(ii) and (c)(2) are revised.
§ 35.200	Use of unsealed byproduct material for imaging and localization studies for which a written directive is not required.	RH-8530.b.2.	H&S	In § 35.200, paragraph (b)(2) is revised.
§35.290	Training for imaging and localization studies.	RH-8540.	B	In § 35.290, paragraphs (a)(1), (b), the introductory text of paragraph (c)(1)(ii) and paragraph (c)(2) are revised.
§ 35.300	Use of unsealed byproduct material for which a written directive is required.	RH-8550.b.2.	H&S	In § 35.300, paragraph (b)(2) is revised.
§ 35.390	Training for use of unsealed byproduct material for which a written directive is required.	RH-8560.	B	In § 35.390, paragraphs (b)(1)(ii) introductory text, (b)(1)(ii)(G)(3), and (b)(2) are revised.

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 35.392	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries).	RH-8570.	B	In § 35.392, paragraph (b), the introductory text of paragraph ©(2) and paragraph (c)(3) are revised.
§ 35.394	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries).	RH-8580.	B	In § 35.394, paragraph (b), the introductory text of paragraph (c)(2), and paragraph (c)(3) are revised.
§ 35.396	Training for the parenteral administration of unsealed byproduct material requiring a written directive.	RH-8590.	B	In § 35.396, the introductory paragraph, paragraphs (a), (b), (c), the introductory text of paragraphs (d)(1) and (d)(2), paragraph (d)(2)(vi), and paragraph (d)(3) are revised.
§ 35.490	Training for use of manual brachytherapy sources.	RH-8610.	B	In § 35.490, the introductory text of paragraph (b)(1)(ii), and paragraphs (b)(2), and (b)(3) are revised.
35.491	Training for ophthalmic use of strontium-90.	RH-8615.	B	In § 35.491, paragraphs (a) and (b)(3) are revised.
35.690	Training for use of remote afterloader units, teletherapy units, and gamma stereotactic radiosurgery units.	RH-8660.	B	In § 35.690, the introductory text of paragraph (b)(1)(ii), and paragraphs (b)(2), and (b)(3) are revised.

Change to NRC Section	Title	State Section	Comp. Category	Comments/Notes
§ 40.5	Communications.	RH-104.	D	
§ 70.5	Communications.	RH-104.	D	
§ 70.14	Foreign military aircraft	N/A	D	

National Source Tracking System Part 20
 (71 FR 65865; November 8, 2006) RATS ID **2006-3** Effective: February 6, 2007
 Date due for State adoption : January 31, 2009
 ARKANSAS' CROSS-REFERENCE

NRC Section	Section Title	State Section	Comp. Category	Comments
§20.1003	Definitions-Nationally tracked sources	RH-1100.bs.	B	
§20.2207 (a)	Reports of transactions involving nationally tracked sources.	RH-1513. intro. and 1513.a.	B	
§20.2207 (b)	Reports of transactions involving nationally tracked sources.	RH-1513.b.	B	
§20.2207 (c)	Reports of transactions involving nationally tracked sources.	RH-1513.c.	B	
§20.2207 (d)	Reports of transactions involving nationally tracked sources.	RH-1513.d.	B	
§20.2207 (e)	Reports of transactions involving nationally tracked sources.	RH-1513.e.	B	
§20.2207 (f)	Reports of transactions involving nationally tracked sources.	RH-1513.f.	B	

NRC Section	Section Title	State Section	Comp. Category	Comments
§20.2207 (g)	Reports of transactions involving nationally tracked sources.	RH-1513.g.	B	
§20.2207 (h)	Reports of transactions involving nationally tracked sources.	RH- 1513.h.	B	
§20 Appendix E	Nationally tracked sources threshold	Appendix D to Section 3	B	Added Appendix.

**Medical Use of Byproduct Material - Minor Corrections and Clarifications 10 CFR Parts 32 and 35
(72 FR 45147, 54207) RATS ID # 2007-1 Effective date 10/29/07
Date Due for State Adoption 10/29/10**

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§32.72(b)(5)	Manufacture, preparation, or transfer for commercial distribution of radioactive drugs containing byproduct material for medical use under Part 35.	RH-405.l.2.E.	B	NRC has since revised this paragraph. Other parts of RH-405.l. have been revised by us to match NRC language. RH-405.l.2. has some reg reference corrections as well.
§32.74(a)	Manufacture and distribution of sources or devices containing byproduct material for medical use	RH-405.n.1.	B	
§35.2	Definitions: Medium dose-rate remote afterloader	RH-8100.s.	D	RH-8100.m. (HDR) and RH-8100.n. (LDR) were also revised. NRC marked as NA.
§35.41(b)(4)	Procedures for administrations requiring a written directive	RH-8308.b.4.	D	NRC marked as NA.
§35.75(a)	Release of individuals containing unsealed byproduct material or implants containing byproduct material	RH-8420.b.	C	RH-8420.a.2. and b. – “per yr” added. RH-8420.d. – clarified language.
'35.92	Decay-in-storage is an: “H&S” for States authorizing this activity and “D” for States that do not authorize this activity	RH-8410.a.	H&S	
§35.190	Training for uptake, dilution, and excretion studies	RH-8510.a.1.	B	
§35.290	Training for imaging and localization studies	RH-8540.a.1.	B	

**Exemptions From Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting
Requirements 10 CFR Parts 30, 31, 32, and 150
(72 FR 58473) RATS ID # 2007-2 Effective date 12/17/07
Date Due for State Adoption 12/17/10**

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§30.14	Exempt Concentrations	RH-301.a.3. RH-301.a.4.	B	RH-301.a.1. and RH-301.a.2. have also been revised.
§30.15	Certain items containing byproduct material	RH-301.b.	B	
§30.16	Resins containing scandium-46 and designed for sand consolidation in oil wells	Deleted	B	NRC removed.
§30.18	Exempt quantities	RH-305.a. RH-305.e.	B	
§31.5	Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere	RH-402.c.8.B. RH-402.c.8.C.	B	
§32.8	Information collection requirements: OMB approval	NA	D	
§32.11	Introduction of byproduct material in exempt concentrations into products or materials, and transfer of ownership or possession: Requirements for license.	RH-405.g.	NRC*** (**please note all of 10 CFR 32.11 has been changed from a Comp. Cat. C/B to a Comp. Cat. NRC)	
§32.12	Same: Records and material transfer reports	RH-405.g.	NRC*** (**please note 10 CFR 32.12 has been changed from a Comp. Cat. C to a Comp. Cat. NRC)	
§32.13	Same: Prohibition of introduction	RH-301.a.4.	C	
§32.14	Certain items containing byproduct material; Requirements for license to apply or initially transfer	NA	NRC	

**Exemptions From Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting
Requirements 10 CFR Parts 30, 31, 32, and 150
(72 FR 58473) RATS ID # 2007-2 Effective date 12/17/07
Date Due for State Adoption 12/17/10**

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§32.15	Same: Quality assurance prohibition of transfer, and labeling	NA	NRC	
§32.16	Certain items containing byproduct material: Records and reports of transfer	NA	NRC	
§32.17	Resins containing scandium-46 and designed for sand-consolidation in oil wells: requirements for license to manufacture, or initially transfer for sale or distribution.	Deleted	B	NRC removed.
§32.20	Same: Records and material transfer reports	NA	NRC	
§32.25	Conditions of licenses issued under §32.22: Quality control, labeling, and reports of transfer	NA	NRC	
§32.29	Conditions of licenses issued under §32.26: Quality control, labeling, and reports of transfer	NA	NRC	
§32.40	Schedule A--prototype tests for automobile lock illuminators.	NA	NRC	
§150.20	Recognition of Agreement State licenses.	RH-750.a.	C	Revised RH-750. in its entirety.

**Requirements for Expanded Definition of Byproduct Material 10 CFR Parts 20, 30, 31, 32, 33, 35, 50, 61, 62, 72, 110,
150, 170, and 171**

(72 FR 55864, 73 FR 42671) RATS ID # 2007-3 Effective date 11/30/07

Date Due for State Adoption 11/30/10

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§20.1003	Definition: Accelerator-produced radioactive material	RH-1100.b.	H&S	
§20.1003	Definition: Byproduct Material	RH-1100.q.	[H&S]*** (***please note 10 CFR 20.1003 Definition of Byproduct Material was changed from a Compatibility Category A to a Compatibility Category H&S)	
§20.1003	Definition: Discrete Source	RH-1100.ah.	H&S	
§20.1003	Definition: Particle Accelerator	RH-1100.bw.	H&S	
§20.1003	Definition: Waste	RH-200.bj. RH-1100.dq.	B	
§20.1009	List of OMB approved information collections	NA	D	
§20.2001 (a)(4)	General requirements	RH-1400.d.	C	
§20.2006 (e)	Transfer for disposal and manifests	RH-1406.e.	B	
§20.2008	Disposal of 11e.(3) and 11e.(4) byproduct material	RH-1408.	B	
Part 20 Appendix B	Annual Limits on Intake (ALIs) and Derived Air Concentrations (DACs) of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release to Sewerage	App. F to Sec. 3 App. G to Sec.3	A	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§30.3(a)	Activities requiring license	RH-102.a.	C	RH-102.a. and b. revised.
§30.3(b) (1), (2), & (3)	Activities requiring license	NA	NRC	
§30.3(c) (1), (2), (3), & (d)	Activities requiring license	NA	D	
§30.4	Definition: Accelerator produced radioactive material	RH-200.a.	H&S	
§30.4	Definition: Byproduct material	RH-200.i.	[H&S]*** (***please note 10 CFR 30.4 Definition of Byproduct Material was changed from a Compatibility Category A to a Compatibility Category H&S)	
§30.4	Definition: Consortium	RH-200.m.	C	
§30.4	Definition: Cyclotron	RH-200.o.	D	
§30.4	Definition: Discrete Source	RH-200.r.	H&S	
§30.4	Definition: Particle accelerator	RH-200.al.	H&S	
§30.15 (a)(1)(viii)	Certain items containing byproduct material	RH-301.b.1.H.	B	Reference to Radium removed from 301.b.1.
§30.18 (b)	Exempt quantities	RH-305.b.	B	
§30.20(a)	Gas and aerosol detectors containing byproduct material	RH-301.d.1.	B	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§30.32(g)	Application for specific licenses	RH-403.h.1. RH-403.h.2. RH-403.h.3.	C	
§30.32(j)	Application for specific licenses	RH-403.j.	B	RH-403.i. was deleted.
§30.34 (g)	Terms and conditions of licenses	RH-409.j.	H&S*** (***please note 10 CFR 30.34(g) Terms and Conditions of Licenses was changed from a Compatibility Category D to a Compatibility Category H&S)	RH-409.i. is former RH-1221.
§30.34(j)	Terms and conditions of licenses	RH-409.k.	B	
§30.71	Schedule B	RH-901. (Schedule B to Section 2)	B	Ra-226 was already incorporated.
§30.72	Schedule C – Quantities of radioactive material requiring consideration of the need for an emergency plan for responding to a release	RH-905. (Schedule F to Section 2)	H&S	Also added Na-22.
§31.4	List of OMB approved Information collections	NA	D	
§31.5 (b)(1) & (c)(13)	Certain detecting, measuring, gauging, or controlling devices and/or an ionizing atmosphere	RH-402.b.1. RH-402.c.13.A.	B	
§31.8	Americium-241 in the form of calibration and reference sources	RH-402.g.	D	
§31.11	General license for use of byproduct material for certain in vivo clinical and laboratory testing	NA	D	Only in vivo is RH-301.f., RH-405.o., and RH-405.p.
§31.12	General license for certain items and self-luminous products containing radium-226	RH-301.e. RH-405.q.	C	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§32.1 (c)(1)	Purpose and scope	NA	NRC	
§32.1(c)(2)	Purpose and scope	NA	D	
§32.57	Calibration or reference sources containing americium-241 or radium- 226: Requirements for license to manufacture or initially transfer	RH-405.i.	B	
§32.58	Same: labeling of devices	RH-405.i.3.	B	
§32.59	Same: Leak testing of each source	RH-405.i.4.	B	
§32.71 (b)(8) & (c)(1)	Manufacture and distribution of byproduct material for certain in vitro clinical or laboratory testing under general license	RH-405.j.2.B. RH-405.j.3.A.	B	
§32.72 (a)(2)(i), (iii), (iv), (v), & (b)	Manufacture, preparation, or transfer for commercial distribution of radioactive drugs, containing byproduct material for certain in vitro clinical or laboratory testing under general license	RH-405.l.1.B. RH-405.l.2.B. RH-405.l.2.D. RH-405.l.2.E.	B	
§32.102	Schedule-C prototype tests for calibration or reference sources containing americium-241	RH-405.i.2.	B	
§33.100	Schedule A	RH-904. (Schedule E to Section 2)	D	
§35.2	Definition: Cyclotron	RH-8100.j.	D	
§35.2	Definition: Positron Emission Tomography (PET) radionuclide production facility	RH-8100.y.	H&S	
§35.10(a) & (g)	Implementation	RH-8001.	D	Deleted RH-8001.a.
§35.11(a)	License required	RH-8005.	C	
§35.11 (c)(1)	License required	NA	NRC	
§35.11 (c)(2)	License required	NA	D	
§35.13 (a)(1)	License amendments	NA	NRC	Did make changes to RH-8011.b. though.
§35.13	License amendments	NA	D	

Change to NRC Section	Title	State Section	Comp. Category	Comments
(a)(2), (b)(5), (e),				
§35.14 (a) & (b)(5)	Notifications	RH-8020.a.	D	
§35.15 (f)	Exemptions regarding Type A specific licenses of broad scope	RH-8025.	D	
§35.57 (a)(3) & (b)(3)	Training for experienced Radiation Safety Officer, teletherapy or medical physicist, authorized user, and nuclear pharmacist	RH-8318.	D	
§35.63 (b)(2)(ii), (b)(2)(iii), & (c)(3)	Determination of dosages of unsealed byproduct material for medical use	RH-8403.	H&S	All revised except for paragraph e.
§35.100 (a) & (b)	Use of unsealed byproduct material for uptake, dilution, and excretion studies for which a written directive is not required	RH-8500.a. and b.	H&S	
§35.200 (a) & (b)	Use of unsealed byproduct material for imaging and localization studies for which a written directive is not required.	RH-8530.a. and b.	H&S	
§35.204 (a)	Permissible molybdenum-99 concentrations	RH-8531.a.	H&S	
§35.204 (c) & (d)	Permissible molybdenum-99 concentrations	RH-8531.b. and c.	D	
§ 35.300 (a) & (b)	Use of unsealed byproduct material for which a written directive is required	RH-8550.a. and b.	H&S	
§35.2204	Records of molybdenum-99 concentrations	RH-8713.	D	Revised title only.
§50.2	Definition: Byproduct Material	NA	NRC	
§61.2	Definition: Waste	RH-200.bj. RH-1100.dq.	B	
§ 62.2	Definition: Low- Level radioactive waste	NA	NRC	
§ 72.3	Definition: Byproduct Material	NA	NRC	
§110.2	Definition: Accelerator produced radioactive material	NA	NRC	
§110.2	Definition: Discrete Source	NA	NRC	

Change to NRC Section	Title	State Section	Comp. Category	Comments
§110.2	Definition: Particle accelerator	NA	NRC	
§150.3	Definition: Byproduct material	RH-200.i. RH-1100.q.	H&S*** (**please note 10 CFR 150.3 Definition of Byproduct Material was changed from a Compatibility Category A to a Compatibility Category H&S)	
§150.3	Definition: Discrete source	RH-200.r. RH-1100.ah.	H&S	

**Occupational Dose Records, Labeling Containers, and the Total Effective Dose Equivalent Parts – 19 and 20
 (72 FR 68043) RATS ID # 2008-1 Effective date 02/15/08
 Date Due for State Adoption 02/15/11**

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§19.13	Notification and reports to individuals	RH-2804.b. RH-2804.f.	C	
§20.1003	Definition: Total Effective Dose Equivalent (TEDE)	RH-1100.dl.	A	
§20.1201	Occupational Dose Limits for Adults	RH-1200.c.	A	
§20.1905 (g)	Exemptions to Labeling Requirements	RH-1310.	NRC for par. (g)	RH-1310. has been revised in its entirety, as well as RH-1309., "Labeling Containers"
§20.2104	Determination of Prior Occupational Dose	RH-1500.d.	D	No changes (change to CFR said "NA")
§20.2205	Reports to Individuals of Exceeding Dose Limits	RH-1505.b.	C	

Medical Use of Byproduct Material—Authorized User Clarification, Part 35
(74 FR 33901) RATS ID # 2009-1 Effective date 09/28/09
Date Due for State Adoption 09/28/12

ARKANSAS' CROSS-REFERENCE

Change to NRC Section	Title	State Section	Comp. Category	Comments
§ 35.50	Training for Radiation Safety Officer	RH-8315.a.2.B.ii.	B	
§ 35.51	Training for an authorized medical physicist.	RH-8316.a.2.B. RH-8316.b.2.	B	
§ 35.57	Training for experienced Radiation Safety Officer, teletherapy or medical physicist, authorized medical physicist, authorized user, nuclear pharmacist, and authorized nuclear pharmacist.	RH-8318.c.	B	
§ 35.190	Training for uptake, dilution, and excretion studies.	RH-8510.c.1.B. RH-8510.c.2.	B	
§ 35.290	Training for imaging and localization studies.	RH-8540.c.1.B. RH-8540.c.2.	B	
§ 35.390	Training for use of unsealed byproduct material for which a written directive is required.	RH-8560.b.1.B. RH-8560.b.2.	B	
§ 35.392	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries).	RH-8570.c.2. RH-8570.c.3.	B	
§ 35.394	Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities	RH-8580.c.2. RH-8580.c.3.	B	

Change to NRC Section	Title	State Section	Comp. Category	Comments
	greater than 1.22 gigabecquerels (33 millicuries).			
§ 35.396	Training for the parenteral administration of unsealed byproduct material requiring a written directive.	RH-8590.d.2. RH-8590.d.3.	B	
§ 35.490	Training for use of manual brachytherapy sources.	RH-8610.b.1.B. RH-8610.b.2. RH-8610.b.3.	B	
§ 35.491	Training for ophthalmic use of strontium-90.	RH-8615.b.3.	B	
§ 35.690	Training for use of remote afterloader units, teletherapy units, and gamma stereotactic radiosurgery units.	RH-8660.b.1.B. RH-8660.b.2. RH-8660.b.3.	B	