

**Technical Corrections – Parts 30, 34, 40, and 71**  
**(77 FR 39899, Published July 6, 2012) RATS ID: 2012-3 Effective: August 6, 2012**  
**Date Due for State Adoption August 6, 2015**

NRC Reg Section	SectionTitle	Differen ces	Compa tibility Catego ry	Summary of Change to CFR	NE Reference s	Nebraska
30.34(h)(1)(ii)	Terms and conditions of licenses		H&S	<b>In §30.34, paragraph (h)(1)(ii) was revised to remove the reference “11 U.S.C. 101(14)” and add, in its place, the reference “11 U.S.C. 101(15).”</b>  (ii) An entity (as that term is defined in 11 U.S.C. 101(15)) controlling the licensee or listing the license or licensee as property of the estate; or	3-017.05, item 2 No change	2. An entity (as that term is defined in 11 U.S.C. 101(15)) (attached hereto as Attachment Number 3-1 and incorporated herein by this reference) controlling the licensee or listing the license or licensee as property of the estate; or
34.20(a)(1)	Performance requirements for industrial radiography equipment		B	<b>In §34.20(a)(1), the address for the American National Standards Institute is updated as follows:</b>  (a)(1) * * * This publication may be purchased from the American National Standards Institute, Inc., 25 West 43 <sup>rd</sup> Street, New York, New York 10036; Telephone: (212) 642-4900. * * *	5-005.01 No change	<u>5-005.01</u> Each radiographic exposure device, source assembly or sealed source, and all associated equipment must meet the requirements specified in American National Standard Institute, N432-1980 “Radiological Safety for the Design and Construction of Apparatus for Gamma Radiography,” (published as NBS Handbook 136, issued January 1981). This publication has been incorporated herein by

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						reference and is available for viewing at the Department of Health and Human Services, Division of Public Health, Radiological Health, 301 Centennial Mall South, P.O. Box 95026, Lincoln, Nebraska 68509-5026.
Part 40, Appendix A, section I, Criterion 4(d)	Criteria Relating to the Operation of Uranium Mills and the Disposition of Tailings for Wastes Produced by the Extraction or Concentration of Source material from ores processed primarily for their Source Material Content		C	<p><b>The eight paragraph of Criterion 4(d) is revised to read as follows:</b></p> <p>Criterion 4. * * *</p> <p>(d) *** Rock covering of slopes may be unnecessary where top covers are very thick (on the order of 10 m or greater); impoundment slopes are very gentle (on the order of 10 h:1v or less); bulk cover materials have inherently favorable erosion resistance characteristics; and, there is negligible drainage catchment area upstream of the pile and good wind protection as described in points (a) and (b) of this Criterion.</p>		<u>Do not have authority to do milling and Appendix A to 40 not in 180 NAC</u>

NRC Reg Section	SectionTitle	Differen ces	Compa tibility Catego ry	Summary of Change to CFR	NE Reference s	Nebraska
Part 40, Appendix A, section I, Criterion 8A	Criteria Relating to the Operation of Uranium Mills and the Disposition of Tailings for Wastes Produced by the Extraction or Concentration of Source material from ores processed primarily for their Source Material Content		C	<p><b>The third sentence of Criterion 8A is revised to read as follows:</b></p> <p>Criterion 8A. * * * The appropriate NRC regional office as indicated in appendix D to 10 CFR part 20 of this chapter, or the Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, must be immediately notified of any failure in a tailings or waste retention system that results in a release of tailings or waste into unrestricted areas, or of any unusual conditions (conditions not contemplated in the design of the retention system) that if not corrected could indicate the potential or lead to failure of the system and result in a release of tailings or waste into unrestricted areas.</p>		<u>Do not have authority to do milling and Appendix A to 40 not in 180 NAC</u>
Part 71, Appendix A, Table A-1	Packaging and Transportation of Radioactive Material, A <sub>1</sub> and A <sub>2</sub> Values for Radionuclides		[B]	<p><b>In Table A-1, the entries for Bi-205, Cm-248, Eu-150 (long lived), and Te-132(a) and footnote b were revised to read as follows:</b></p> <p>See the table at the end of the document.</p>	<u>Appendix 13-1 Table A2 and A2 Values of Radiolucides</u>	<u>See below</u>

Table A-1—A<sub>1</sub> and A<sub>2</sub> VALUES FOR RADIONUCLIDES

Symbol of radionuclide	Element and atomic number	A <sub>1</sub> (TBq)	A <sub>1</sub> (Ci) <sup>b</sup>	A <sub>2</sub> (TBq)	A <sub>2</sub> (Ci) <sup>b</sup>	Specific activity	
						(TBq/g)	(Ci/g)
*	*	*	*	*	*	*	*
Bi-205	Bismuth (83)	7.0×10 <sup>-1</sup>	1.9×10 <sup>1</sup>	7.0×10 <sup>-1</sup>	1.9×10 <sup>1</sup>	1.5×10 <sup>3</sup>	4.2×10 <sup>4</sup>
*	*	*	*	*	*	*	*
Cm-248		2.0×10 <sup>-2</sup>	5.4×10 <sup>-1</sup>	3.0×10 <sup>-4</sup>	8.1×10 <sup>-3</sup>	1.6×10 <sup>-4</sup>	4.2×10 <sup>-3</sup>
*	*	*	*	*	*	*	*
Eu-150 (long lived)		7.0×10 <sup>-1</sup>	1.9×10 <sup>1</sup>	7.0×10 <sup>-1</sup>	1.9×10 <sup>1</sup>	6.1×10 <sup>4</sup>	1.6×10 <sup>6</sup>
*	*	*	*	*	*	*	*
Te-132 (a)		5.0×10 <sup>-1</sup>	1.4×10 <sup>1</sup>	4.0×10 <sup>-1</sup>	1.1×10 <sup>1</sup>	1.1×10 <sup>4</sup>	3.0×10 <sup>5</sup>
*	*	*	*	*	*	*	*

<sup>b</sup> The values of A<sub>1</sub> and A<sub>2</sub> in Curies (Ci) are approximate and for information only; the regulatory standard units are Terabecquerels (TBq) (see Appendix A to part 71—Determination of A<sub>1</sub> and A<sub>2</sub>, Section I).

Bi-205	Bismuth (83)	7.0X10 <sup>-1</sup>	1.9X10 <sup>1</sup>	7.0X10 <sup>-1</sup>	1.9X10 <sup>1</sup>	1.5X10 <sup>-3</sup>	4.2X10 <sup>4</sup>
Cm-248		2.0X10-2	5.4X10-1	3.0X10-4	8.1X10-3	1.6X10-54	4.2X10-3
Eu-150 (long lived)		7 x 10-1	1.9X101	7.0X10-1	1.9X101	6.1X104	1.6X106
Te-132 (a)		5.0X10-1	1.4X101	4.0X10-1	1.1X101	1.1X104	83.0X105

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