

**10 CFR PART 20**

Please Note: The bracket “ [ ] “ around a compatibility category designation means that the Section may have been adopted elsewhere in a State rules and it is not necessary to adopt it again.

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.1001	Purpose	Ch 3, Sec 1	D	N/A		
20.1002	Scope	Ch 3, Sec 2	D	N/A		
20.1003	Definitions					
	Absorbed Dose	Ch 1, Sec 5 (a)	A	No		
	Accelerator-produced radioactive material		H&S	Yes	Yes	This definition was not included as it does not pertain to the scope of authority Wyoming is seeking.
	Act	Ch1, Sec 5(b)	D	N/A		
	Activity	Ch 1, Sec 5(d)	A	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Adult	Ch 1, Sec 5(e)	A	No		
	Airborne radioactive material	Ch 1, Sec 5(g)	A	No		
	Airborne Radioactivity area	Ch 1, Sec 5(h)	A	No		
	Air-purifying respirator	Ch 1, Sec 5(i)	B	No		
	ALARA	Ch 1, Sec 5(m)	A	No		
	Annual Limit on Intake (ALI)	Ch 1, Sec 5(l)	A	No		
	Assigned Protection Factor (APF)	Ch 1, Sec 5(n)	B	No		
	Atmosphere-supplying respirator	Ch 1, Sec 5(o)	B	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Background Radiation	Ch 1, Sec 5(p)	A	Yes	No	Rather than stating "radiation from source, byproduct, or special nuclear materials regulated by the Commission", the term "radioactive materials regulated by the NRC or agreement state" is used instead.
	Bioassay (radio bioassay)	Ch 1, Sec 5(r)	A	Yes	No	It is noted that this term is equivalent to "radiobioassay"
	Byproduct material	Ch 1, Sec 5(s)	H&S	Yes	Yes	Only the definition related to the scope of authority that the State is seeking was included in the definition. Further clarification of the definition was added by referencing the definition in section 11(e)(2) of the AEA.
	Class	Ch 1, Sec 5(u)	A	No		
	Collective Dose	Ch 1, Sec 5(v)	A	No		
	Commission	Ch 1, Sec 5(x)	D	N/A		
	Committed dose equivalent	Ch 1, Sec 5(y)	A	No		
	Committed effective dose equivalent	Ch 1, Sec 5(z)	A	No		
	Constraint	Ch 1, Sec 5(aa)	C	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Controlled Area	Ch 1, Sec 5(ad)	D	N/A		
	Critical group	Ch 1, Sec 5(ae)	B	No		
	Declared Pregnant Woman	Ch 1, Sec 5(ag)	A	No		
	Decommission	Ch 1, Sec 5(ah)	[C]	No		
	Deep-dose equivalent	Ch 1, Sec 5(ai)	A	No		
	Demand respirator	Ch 1, Sec 5(aj)	B	No		
	Department	Ch 1, Sec 5(ak)	D	N/A		
	Derived air concentration (DAC)	Ch 1, Sec 5(al)	A	No		
	Derived air concentration- hour (DAC-hour)	Ch 1, Sec 5(am)	A	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Disposable respirator	Ch 1, Sec 5(ao)	B	No		
	Distinguishable from background	Ch 1, Sec 5(ap)	B	No		
	Dose or radiation dose	Ch 1, Sec 5(aq)	D	N/A		
	Dose equivalent	Ch 1, Sec 5(ar)	A	No		
	Dosimetry processor	Ch 1, Sec 5(at)	D	N/A		
	Effective dose equivalent	Ch 1, Sec 5(au)	A	No		
	Embryo/fetus	Ch 1, Sec 5(av)	A	No		
	Entrance or access point	Ch 1, Sec 5(aw)	C	No		
	Exposure	Ch 1, Sec 5(ay)	D	N/A		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	External dose	Ch 1, Sec 5(ba)	D	N/A		
	Extremity	Ch 1, Sec 5(bb)	A	No		
	Filtering facepiece (dusk mask)	Ch 1, Sec 5(bd)	B	No		
	Fit factor	Ch 1, Sec 5(be)	B	No		
	Fit test	Ch 1, Sec 5(bf)	B	No		
	Generally applicable environmental radiation standards	Ch 1, Sec 5(bg)	A- States with authority to regulate uranium mill activities (11e.(2) byproduct material)  D- States without authority	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Government agency		D	N/A		Excluded
	Gray	Ch 1, Sec 7(b)(i)	A	No		
	Helmet	Ch 1, Sec 5(bh)	B	No		
	High radiation area	Ch 1, Sec 5(bi)	A	No		
	Hood	Ch 1, Sec 5(bj)	B	No		
	Individual	Ch 1, Sec 5(bk)	A	No		
	Individual monitoring	Ch 1, Sec 5(bl)	A	Yes	No	Same content, just organized differently
	Individual monitoring devices	Ch 1, Sec 5(bm)	C	Yes	No	Our definition stated that personnel monitoring equipment is an equivalent term, and the information is rearranged slightly.
	Internal dose	Ch 1, Sec 5(bn)	A	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Lens dose equivalent	Ch 1, Sec 5(bo)	A	No		
	License	Ch 1, Sec 5(bp)	D	N/A		
	Licensed material	Ch 1, Sec 5(br)	D	N/A		
	Licensee	Ch 1, Sec 5(bq)	D	N/A		
	Limits	Ch 1, Sec 5(bs)	A	No		
	Loose-fitting facepiece	Ch 1, Sec 5(bt)	B	No		
	Lost or missing licensed material	Ch 1, Sec 5(bu)	B	No		
	Member of the public	Ch 1, Sec 5(bw)	A	No		
	Minor	Ch 1, Sec 5(bx)	A	No		



<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Monitoring	Ch 1, Sec 5(by)	A	No		
	Nationally tracked source		B	Yes	Yes	Excluded
	Negative pressure respirator	Ch 1, Sec 5(cb)	B	No		
	Nonstochastic effect <sup>1</sup>	Ch 1, Sec 5(cc)	A	No		
	NRC	Ch 1, Sec 5(cd)	D	N/A		
	Occupational Dose	Ch 1, Sec 5(ce)	A	No		
	Particle Accelerator		H&S	Yes	Yes	This definition is not applicable to the scope of authority that Wyoming is seeking, therefore the definition is not included.
	Person	Ch 1, Sec 5(cg)	[C]	Yes	No	The exclusion included in the NRC definition is not part of the Wyoming definition.
	Planned special exposure		D	N/A		Excluded
	Positive pressure respirator	Ch 1, Sec 5(ci)	B	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Powered air-purifying respirator (PAPR)	Ch 1, Sec 5(cj)	B	No		
	Pressure demand respirator	Ch 1, Sec 5(ck)	B	No		
	Public dose	Ch 1, Sec 5(cn)	A	No		
	Qualitative fit test (QLFT)	Ch 1, Sec 5(co)	B	No		
	Quality Factor	Ch 1, Sec 5(cp)	A	No		
	Quantitative fit test (QNFT)	Ch 1, Sec 5(cq)	B	No		
	Quarter	Ch 1, Sec 5(cr)	D	N/A		
	Rad	Ch 1, Sec 6(b)(ii)	A	No		
	Radiation	Ch 1, Sec 5(cs)	A	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Radiation area	Ch 1, Sec 5(ct)	A	No		
	Reference man	Ch 1, Sec 5(cx)	A	No		
	Rem	Ch 1, Sec 7(b)(iii)	A	No		
	Residual radioactivity	Ch 1, Sec 5(cz)	B	Yes	No	A phrase was added referencing chapter 3
	Respiratory protective device	Ch 1, Sec 5(da)	C	No		
	Restricted area	Ch 1, Sec 5(db)	A	No		
	Sanitary sewerage	Ch 1, Sec 5(dd)	A	No		
	Self-contained breathing apparatus (SCBA)	Ch 1, Sec 5(de)	B	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Shallow-dose equivalent	Ch 1, Sec 5(df)	A	No		
	Site boundary	Ch 1, Sec 5(dj)	D	N/A		
	Source Material	Ch 1, Sec 5(dk)	[A]	Yes	No	Used definition in 40.4. Slightly different
	Special Nuclear Material		[A]			Excluded
	Stochastic effects <sup>2</sup>	Ch 1, Sec 5(dm)	A	No		
	Supplied-Air respirator (SAR) or airline respirator	Ch 1, Sec 5(dn)	B	No		
	Survey	Ch 1, Sec 5(do)	A	No		
	Tight-fitting facepiece	Ch 1, Sec 5(dq)	B	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Total Effective Dose Equivalent (TEDE)	Ch 1, Sec 5(dr)	A	No		
	Unrestricted Area	Ch 1, Sec 5(dt)	A	Yes	No	The definition is the same, except that Wyoming states that "uncontrolled area" is an equivalent term.
	Uranium Fuel Cycle	Ch 1, Sec 5(dv)	D	N/A		
	User seal check (fit check)	Ch 1, Sec 5(dx)	B	No		
	Very High Radiation Area	Ch 1, Sec 5(dy)	A	No		
	Waste	Ch 1, Sec 5(dz)	B	Yes	No	The reference at the end of the definition changed to reflect the States jurisdiction solely over 11e.(2) byproduct material.
	Week	Ch 1, Sec 5(ea)	D	N/A		
	Weighting factor	Ch 1, Sec 5(eb)	A	No		
	Whole body	Ch 1, Sec 5(ec)	A	No		

NRC Regulation Section	Section Title	State Section	Compatibility Category	Difference Yes/No	Significant Yes/No	If Difference, Why or Why Not was a Comment Generated
	Working level (WL)	Ch 1, Sec 5(ee)	A	Yes	No	The definition is the same, the wording is in a different order
	Working level month (WLM)	Ch 1, Sec 5(ef)	A	No		
	Year	Ch 1, Sec 5(eg)	A	No		
20.1004	Units of radiation dose	Ch 1 Sec 7	A	Yes	Yes	Table 1004(b).2 is not included in Wyoming rules since there will be no need to determine dose equivalent from neutron fluence, and "high-speed electrons" was added to the table
20.1005	Units of radioactivity	Ch 1, Sec 8, Ch 1 Sec 5(q) and Ch 1, Sec 5(af)	A	Yes	No	The wording for the definitions is slightly different. For curie it is stated in the definition of curie that it is $3.7 \times 10^{10}$ disintegrations per second, for becquerels it is stated in its definition that it is equal 1 disintegrations per second
20.1006	Interpretations	Ch 1, Sec 10	D	N/A		
20.1007	Communications	Ch 1, Sec 9	D	N/A		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.1008	Implementation		D	N/A		Excluded
20.1009	Information collection requirements: OMB approval		D	N/A		Excluded
20.1101	Radiation protection programs	Ch 3	H&S	No		
20.1101 (d)	Radiation protection programs	Ch 3	C	No		
20.1201	Occupational dose limits for adults	Ch 3	A	No		
20.1202	Compliance with requirements for summation of external and internal doses	Ch 3	A	No		
20.1203	Determination of external dose from airborne radioactive material	Ch 3	A	No		
20.1204	Determination of internal exposure	Ch 3	A	No		
20.1205	Reserved					
20.1206	Planned special exposures		D	N/A		Excluded
20.1207	Occupation dose limits for minors	Ch 3	A	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.1208	Dose equivalent to an Embryo/fetus	Ch 3	A	No		
20.1301 (a)(b)(c)	Dose limits for individual members of the public	Ch 3	A	Yes	Yes	20.1301(c) is excluded because the State is not seeking authority over licensed materials in hospitals
20.1301 (d)	Dose limits for individual members of the public	Ch3	C	No		
20.1301 (e)	Dose limits for individual members of the public	Ch 3	A for States with authority to regulate U-mill activities  D for States without authority	No		
20.1301 (f)	Dose limits for individual members of the public	Ch 3	D	N/A		
20.1302 (a)(b)	Compliance with dose limits for individual members of the public	Ch 3	H&S	No		
20.1302 (c)	Compliance with dose limits for individual members of the public	Ch 3	D	N/A		
20.1401	General provisions and scope	Ch 3	C	No		



<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.1402	Radiological criteria for unrestricted use	Ch 3	C	No		
20.1403	Criteria for license termination under restricted conditions	Ch 3	C	No		
20.1404	Alternate criteria for license termination	Ch 3	C	No		
20.1405	Public notification and public participation	Ch 3	C	No		
20.1406(a)	Minimization of contamination	Ch 3	C	No		
20.1406(b)	Minimization of contamination		NRC			
20.1501	General	Ch 3	H&S	No		
20.1502	Conditions requiring individual monitoring of external and internal occupational dose	Ch 3	H&S	No		
20.1601	Control of access to high radiation areas	Ch 3	H&S	Yes	Yes	20.1601(f) excluded because the State is not seeking authority over licensed material in hospitals

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.1602	Control of access to very high radiation areas	Ch 3	H&S	No		
20.1701	Use of process or other engineering controls	Ch 3	H&S	No		
20.1702	Use of other controls	Ch 3	H&S	No		
20.1703	Use of individual respiratory protection equipment	Ch 3	H&S	No		
20.1704	Further restrictions on the use of respiratory protection equipment	Ch 3	D	N/A		
20.1705	Application for use of higher assigned protection factors	Ch 3	B	No		
20.1801	Security of stored material	Ch 3	H&S	No		
20.1802	Control of material not in storage	Ch 3	H&S	No		
20.1901	Caution signs	Ch 3	A	No		
20.1902	Posting requirements	Ch 3	A	No		
20.1903	Exceptions to posting requirements	Ch 3	D	N/A		20.1903(b) and 20.1903(d) excluded it is not applicable to the States proposed agreement of

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
						source material from recovery or milling and 11 e.(2) byproduct material.
20.1904	Labeling containers	Ch 3	A	No		
20.1905 (a) – (f)	Exceptions to labeling requirements	Ch 3	A	No		
20.1905 (g)	Exceptions to labeling requirements		NRC			
20.1906	Procedures for receiving and opening packages	Ch 3	H&S	No		
20.2001	General requirements (Waste Disposal)	Ch 3	C	No		
20.2002	Method for obtaining approval of proposed disposal procedures	Ch 3	D	N/A		
20.2003 (a)(1)	Disposal by release into sanitary sewerage	Ch 3	H&S	No		
20.2003 (a)(2)&(a)(3)	Disposal by release into sanitary sewerage	Ch 3	A	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.2003 (a)(4)	Disposal by release into sanitary sewerage	Ch 3	C	No		
20.2003 (b)	Disposal by release into sanitary sewerage		D	N/A		Involves material excreted from patients ingesting radioactive materials. Not part of the agreement WY is seeking.
20.2004	Treatment or disposal by incineration	Ch 3	D	N/A		
20.2005	Disposal of specific wastes	Ch 3	D	N/A		
20.2006	Transfer for disposal and manifests	Ch 3	B	No		
20.2007	Compliance with environmental and health protection regulations	Ch 3	D	N/A		
20.2008	Disposal of certain byproduct material	Ch 3	B	No		
20.2101	General provisions	Ch 3	C	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.2102	Records of radiation protection programs	Ch 3	D	N/A		
20.2103	Records of surveys	Ch 3	D	N/A		
20.2104	Determination of prior occupational dose	Ch 3	H&S-for States who adopt “planned special exposure”  D-for those who do not	Yes	Yes	20.2104(b) WY should have no need to have a planned special exposure provision
20.2105	Records of planned special exposures		D	N/A		Excluded WY should have no need to have a planned special exposure provision
20.2106 (a)&(e)	Records of individual monitoring results	Ch 3	C			
20.2106 (b)(c)(d)(f)	Records of individual monitoring results	Ch 3	D	N/A		
20.2107		Ch 3	D	N/A		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	Records of Dose to individual members of the Public					
20.2108	Records of Waste Disposal	Ch 3	D	N/A		
20.2110	Form of Records	Ch 3	D	N/A		
20.2201 (a)(b)(d)(e)	Reports of theft or loss of licensed material	Ch 3	C	No		
20.2201 (c)	Reports of theft or loss of licensed material	Ch 3	D	N/A		
20.2202 (a)(b)(c)(d)	Notification of Incidents	Ch 3	C	No		
20.2202 (e)	Notification of Incidents	Ch 3	D	N/A		
20.2203 (a)(b)	Reports of exposures, etc, exceeding the limits.	Ch 3	C	No		
20.2203 (c)	Reports of exposures, etc, exceeding the limits.		NRC			

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
20.2203 (d)	Reports of exposures, etc, exceeding the limits.	Ch 3	D	N/A		
20.2204	Reports of Planned special exposures		H&S-for States who adopt “planned special exposure”  D-for those who do not	Yes	Yes	WY should have no need to have a planned special exposure provision
20.2205	Reports to individuals of exceeding dose limits	Ch 3	C	No		
20.2206 (a)(1), (a)(3), (a)(4), (a)(5)	Reports of Individuals Monitoring		NRC			
20.2206 (a)(2), (a)(6), (a)(7), (b) &(c)	Reports of Individuals Monitoring	Ch 3	D	N/A		
20.2207	Reports of transactions	Ch 3	B	No		

<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
	involving nationally tracked sources					
20.2301	Applications for Exemptions	Ch1, Sec 12 and Ch 3	D	N/A		
20.2302	Additional Requirements	Ch 3	D	N/A		
20.2401	Violations		D	N/A		Excluded
20.2402	Criminal Penalties		D	N/A		Excluded
Appendix A	Protection Factors for Respirators	Ch 3	B	No		
Appendix B (Tables 1,2, & 3)	Annual Limits on Intake (ALIs), Derived Air Concentrations (DACs), of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release to Sewerage	Ch 3	A	No		



<b>NRC Regulation Section</b>	<b>Section Title</b>	<b>State Section</b>	<b>Compatibility Category</b>	<b>Difference Yes/No</b>	<b>Significant Yes/No</b>	<b>If Difference, Why or Why Not was a Comment Generated</b>
Appendix C	Quantities of licensed materials requiring labeling	Ch 3	A	No		
Appendix D	United States Nuclear Regulatory Commission Offices		D	N/A		Excluded
Appendix E	Nationally tracked source thresholds	Ch 3	B	No		
Appendix F	Reserved					
Appendix G	Requirements for Low-level radioactive waste intended for disposal at land disposal facilities and manifests	Ch 3	B	No		
Appendix G Forms 540, 540A, 541, 542, & 542A	Requirements for Low-level radioactive waste intended for disposal at land disposal facilities and manifests	Ch 3	D	N/A		

<sup>1</sup> The term “Deterministic effect” if defined essentially identical to “Nonstochastic effect” is an acceptable substitute.

<sup>2</sup> The term “Probabilistic effect” if defined essentially identical to “Stochastic effect” is an acceptable substitute.