

FINAL RULE INDEX

	A	B	C	D
1	Rule Part No.	Title of Rule Part (computer version)	Page No.	Facility Responsibility
2				
3		General Administrative Requirements		
4				
5	4732.0100.	Purpose and Scope	1	All facilities
6	Subp. 1.	Purpose		
7	Subp. 2.	Scope		
8	Subp. 3.	Additional requirements		
9	4732.0110.	Definitions	1-40	All facilities
10	4732.0200.	Registration requirements	40-44	All facilities
11	Subp. 1.	Applicability		
12	Subp. 2.	New facility		
13	Subp. 3.	Issuance of Notice of registration		
14	Subp. 4.	Renewal of registration		
15	Subp. 5.	Staggered schedule for renewal of registration		
16	Subp. 6.	Renewals affected by change of location		
17	Subp. 7.	Change of ownership		
18	4732.0210.	Registration fees	44	All facilities
19	4732.0220.	General requirements for all facilities	45	All facilities
20	Subp. 1.	Responsibilities of the registrant		
21	Subp. 2.	Submissions		
22	Subp. 3.	Shielding requirements		
23	Subp. 4.	Exemption		
24	4732.0250.	Reciprocity for out of state rad. equip.	46	
25	Subp. 1.	Applicability		
26	Subp. 2.	Compliance		
27	Subp. 3.	Inspections		
28	4732.0275.	Registration of service providers	47-49	
29	Subp. 1.	Application for service provider registration		
30	Subp. 2.	Issuance of notice of registration		
31	Subp. 3.	Renewal of registration		
32	Subp. 4.	Exemption		
33	4732.0280.	Service provider's responsibility	49-52	All facilities
34	Subp. 1.	General requirements		
35	Subp. 2.	Notification requirements		
36	Subp. 3.	Calibration reports at time of installation		

FINAL RULE INDEX

	A	B	C	D
37	Supp. 4.	Equipment performance tests		
38	Supp. 5.	Individual monitoring		
39	Supp. 6.	Phantom use		
40	4732.0300.	Exemptions	52	All facilities
41	4732.0305.	Prohibited uses	52-54	All facilities
42	Subp. 1.	General provision		
43	Subp. 2.	Other prohibited radiaton dose levels		
44	Subp. 3.	Prohibited radiation-producing equip. & procedures		
45	Subp. 4.	Unauthorized exposure of individual monitoring		
46	4732.0306.	Unauthorized uses	54	All facilities
47	4732.0308.	Variance to rules	55	All facilities
48	4732.0310.	Data privacy	55	All facilities
49	4732.0315.	Deliberate misconduct	55	All facilities
50	4732.0320.	Employee protection	55	All facilities
51	4732.0330.	Records	56-58	All facilities
52	Subp.1	Applicability		
53	Subp. 2.	Format and safeguarding records		
54	Subp. 3.	Reporting units		
55	Subp. 4.	Retention schedule for records		
56	4732.0335.	Inspections and testing	58	All facilities
57	Subp. 1.	Inspections		
58	Subp. 2.	Tests		
59	4732.0340.	Violations and enforcement requirements	58-60	All facilities
60	Subp. 1.	Notice of violation		
61	Subp. 2.	Notice of enforcement		
62	4732.0355.	General requirements for shielding	60-62	All facilities
63	Subp. 1.	Applicability		
64	Subp. 2.	Requirements		
65	Subp. 3.	Shielding details		
66	Subp. 4.	Operator's booth design requirements		
67	Subp. 5.	Records		
68	4732.0360.	Shielding plan	62-65	All facilities
69	Subp. 1.	Shielding plan applicability		
70	Subp. 2.	Shielding plan requirements		
71	Subp. 3.	Modifications		
72	Subp. 4.	Shielding review		

FINAL RULE INDEX

	A	B	C	D
73	Subp. 5.	Exemptions		
74	Subp. 6.	Records		
75	Subp. 7.	Permanent placard		
76	4732.0365.	Add. shielding requirements for dental	65	Dental facilities
77	4732.0370.	Add. shielding for industrial facilities	65-66	Industrial facilities
78	Subp. 1.	Industrial facilities		
79	Subp. 2.	Applicability		
80	Subp. 3.	General shielding & design requirements		
81	Subp. 4.	Exception		
82	4732.0380.	Additional shielding for accelerators	66-70	Accelerator facilities
83	Subp. 1.	Applicability		
84	Subp. 2.	Design requirements for accelerator facilities		
85	Subp. 3.	Add. Design requirements for medical facilities		
86	Subp. 4.	Modification of accelerator or room before use		
87	Subp. 5.	Radiation surveys		
88	Subp. 6.	Corrective actions		
89	Subp. 7.	Records retention		
90	4732.0385.	Caution signs	70-73	All facilities
91	Subp. 1.	Standard radiation symbol and labeling		
92	Subp. 2.	Additional information on signs and labels		
93	Subp. 3.	Prohibitions on use of symbol		
94	Subp. 4.	Posting and labeling requirements		
95	Subp. 5.	Exceptions to posting requirements		
96	4732.0400.	Determination of accumulated occup. Dose	72-74	All facilities
97	Subp. 1.	Determination of prior occupational dose		
98	Subp. 2.	Complying with determination of prior dose		
99	4732.0410.	Occupational dose limits for adults	74-77	All facilities
100	Subp. 1.	Applicability		
101	Subp. 2.	Occupational dose control		
102	Subp. 3.	Doses in excess of limits		
103	Subp. 4.	Dose equivalent		
104	Subp. 5.	Reduction of dose		
105	Subp. 6.	Dose information		
106	4732.0415.	Dose equivalent to an embryo/fetus	77	All facilities
107	4732.0420.	Exposure of minors	78	All facilities
108	4732.0425.	Planned special exposures	78	All facilities

FINAL RULE INDEX

	A	B	C	D
109	4732.0430.	Dose limits for members of the public	80	All facilities
110	4732.0440.	Individual monitoring	80-85	All facilities
111	Subp. 1.	Applicability		
112	Subp. 2.	Assignment		
113	Subp. 3.	Placement of Individual monitoring devices		
114	Subp. 4.	Individual monitoring control devices		
115	Subp. 5.	Veterinary facilities		
116	Subp. 6.	Industrial facilities		
117	Subp. 7.	Exception for permanent Industrial rad. Installations		
118	Subp. 8.	Exception for industrial pulsed x-ray devices		
119	Subp. 9.	Direct reading pocket dosimeters		
120	Subp. 10.	Off-scale dosimeters		
121	Subp. 11.	Lost/damaged direct. read. pocket dosimeters		
122	Subp. 12.	Alarming ratemeters		
123	Subp. 13.	Individual monitoring dosimetry records		
124	Subp. 14.	Individual monitoring reports		
125	4732.0500.	Registrant's safety responsibilities	85-87	All facilities
126	Subp. 1.	Applicability		
127	Subp. 2.	Designation of radiation safety officer		
128	Subp. 3.	Individuals who may apply radiation to humans		
129	Subp. 4.	Records		
130	4732.0505.	Radiation safety officer responsibilities	87-88	All facilities
131	4732.0510.	Procedures & safety instruction for facilities	88-91	All facilities
132	Subp. 1.	Training requirement		
133	Subp. 2.	Safety procedures for the facility		
134	Subp. 3.	Exposure of individuals other than patient		
135	Subp. 4.	Gonad protection		
136	Subp. 5.	Holding		
137	Subp. 6.	Records		
138	4732.0520.	Quality assurance program	90-92	All facilities
139	Subp. 1.	General requirements		
140	Subp. 2.	Additions		
141	Subp. 3.	Records		
142	4732.0530.	ALARA program	92	All facilities
143	4732.0535.	Retake or reject analysis program	92-93	All fac. except dental
144	Subp. 1.	Applicability		

FINAL RULE INDEX

	A	B	C	D
145	Subp. 2.	Corrective actions		
146	Subp. 3.	Records		
147	4732.0540.	Radiation audits	93-94	All facilities
148	Subp. 1.	Applicability		
149	Subp. 2.	Procedures		
150	Subp. 3.	Corrective actions		
151	Subp. 4.	Records		
152	4732.0545.	Utilization logs	94-95	All fac. except dental
153	4732.0550.	Radiological practice standards	95-97	All facilities
154	Subp. 1.	Required standards		
155	Subp. 2.	Radiographic technique chart		
156	Subp. 3.	Exceptions		
157	Subp. 4.	Records		
158	4732.0555.	X-ray film processing requirements	97-102	All facilities
159	Subp. 1.	Processing equipment		
160	Subp. 2.	Processing quality control		
161	Subp. 3.	Darkroom or glove box fog tests		
162	Subp. 4.	Outdated film		
163	4732.0560.	Ordering of diagnostic or therapy procedures	101-104	All fac. except industrial
164	Subp. 1.	Applicability		
165	Subp.2.	Diagnostic radiographic procedure orders		
166	Subp. 3.	Exception for dental faculties		
167	Subp. 4.	Therapeutic procedure orders		
168	Subp. 5.	Identificaion prior to administration of treatment		
169	4732.0565.	Healing arts screening	104-107	All medical facilities
170	Subp. 1.	General requirements		
171	Subp. 2.	Content of application		
172	Subp. 3.	Notification of commissioner's decision		
173	Subp. 4.	Changes in screening program		
174	Subp. 5.	Appeal procedure		
175	Subp. 6.	Renewal of screening application		
176	4732.0570.	Operator requirements	107	All med/chiro facilities
177	4732.0575.	Examination requirements	107-108	
178	Subp. 1.	Notice to individual		
179	Subp. 2.	Passing level		
180	Subp. 3.	Validity standards		

FINAL RULE INDEX

	A	B	C	D
181	4732.0580.	Registrant requirements for operators	108	All med/chiro facilities
182	4732.0585.	Equivalent examinations	108-110	All med/chiro facilities
183	Subp. 1.	General		
184	Subp. 2.	Rad. technologist registration examination		
185	Subp. 3.	Chiro. rad. tech. registration examination		
186	Subp. 4.	License from other United States jurisdiction		
187	Subp. 5.	Other professional registrations		
188	Subp. 6.	Physicians assistants		
189	Subp. 7.	Examination for dual modality studies		
190	4732.0590.	Individuals operating equip. during training	110-111	All med/chiro facilities
191	Subp. 1.	Exemptions from x-ray machine operator exam.		
192	Subp. 2.	Externships		
193	Subp. 3.	Utilization logs		
194	4732.0600.	Reports of theft or loss of rad. prod. Equip.	111	All facilities
195	Subp. 1.	Telephone reports		
196	Subp. 2.	Written follow-up reports		
197	4732.0610.	Report of medical events or incidents	112-113	All facilities
198	Subp. 1.	Notification within 24 hours		
199	Subp. 2.	Additional reports		
200	Subp. 3.	Notification of occupational levels exceeded		
201	Subp. 4.	Notification of a fluoroscopic event		
202	4732.0620.	Warn./contr.devices for high/very high rad.areas	113-114	Therapy and indust. fac.
203	Subp. 1.	Entrance or access points		
204	Subp. 2.	Exception		
205	Subp. 3.	Egress		
206	4732.0630.	Bypassing a safety device	114	Therapy and indust. fac.
207	4732.0700.	Calibrations	115-116	All facilities
208	Subp. 1.	Diagnostic radiographic system calibrations		
209	Subp. 2.	Therapeutic system calibrations		
210	Subp. 3.	Tests after change or replacement		
211	Subp. 4.	Records		
212	4732.0710.	Radiation survey or measurement instruments	116	All facilities
213	Subp. 1.	Requirements		
214	Subp. 2.	Records		
215	4732.0800.	General equipment requirements	116-120	All facilities
216	Subp. 1.	Applicability		

FINAL RULE INDEX

	A	B	C	D
217	Subp. 2.	Radiation exposure x-ray control		
218	Subp. 3.	Rad. exposure automatic exposure controls		
219	Subp. 4.	Rad. from capacitor energy storage equipment		
220	Subp. 5.	Diagnostic rad. systems for one image recep. size		
221	Subp. 6.	Beam quality half-value layer		
222	4732.0820.	Diagnostic equip. manufactured before 1973	120-122	All facilities
223	Subp.1.	Applicability		
224	Subp. 2.	Beam limitation		
225	Subp. 3.	X-ray control console		
226	Subp. 4.	Beam quantity half-value layer		
227	4732.0825.	Fluoroscopic systems except therapy simulators	122-128	All fac. except therapy
228	Subp. 1.	Applicability		
229	Subp. 2.	Fluoroscopic training requirements		
230	Subp. 3.	Registrant requirements		
231	Subp. 4.	Limitation of useful beam, x-ray field		
232	Subp. 5.	Entrance exposure rate allowable limits		
233	Subp. 6.	Indication of kilovoltage and milliamperage		
234	Subp. 7.	Source-to-skin distance		
235	Subp. 8.	Control of scattered radiation		
236	Subp. 9.	Radiation therapy simulation systems		
237	Subp. 10.	Real-time cabinet fluoroscopic systems		
238	4732.0830.	Fluoroscopic dose-area-product monitor	128-129	All fac with fluoro equip
239	4732.0835.	Requirements for C.R./digital/ PSP equip.	129-131	All facilities
240	Subp. 1.	Requirements		
241	Subp. 2.	Applicability		
242	Subp. 3.	Registrant requirements		
243	Subp. 4.	Quality assurance or quality control procedures		
244	Subp. 5.	Records		
245	4732.0850.	Bone densitometry systems	131-133	Medical facilities
246	Subp. 1 .	Applicability		
247	Subp. 2.	General requirements for bone densitometry		
248	Subp. 3.	Quality assurance or quality control procedures		
249	Subp. 4.	Bone density system operators		
250	Subp. 5.	Records		
251	4732.0860.	Computed tomography requirements	133-139	All facilities with CT units
252	Subp. 1.	Applicability		

FINAL RULE INDEX

	A	B	C	D
253	Subp. 2.	Facility design requirements		
254	Subp. 3.	Viewing systems		
255	Subp. 4.	Audio communications		
256	Subp. 5.	Radiation surveys		
257	Subp. 6.	Equipment performance measurements		
258	Subp. 7.	Spot checks		
259	Subp. 8.	Equipment performance measurements by operator		
260	Subp. 9.	Program review		
261	Subp. 10.	Operating procedures		
262	Subp. 11.	Corrective actions		
263	Subp. 12.	CT fluoroscopic procedures		
264	Subp. 13.	Records		
265	4732.0865.	CT of the head and soft tissues of the neck	139-145	All fac.with CT head units
266	Subp. 1.	Applicability		
267	Subp. 2.	Facility design requirements		
268	Subp. 3.	Radiation surveys		
269	Subp. 4.	Equipment performance measurements		
270	Subp. 5.	Spot checks		
271	Subp. 6.	Equipment performance measurements by operator		
272	Subp. 7.	Program review		
273	Subp. 8.	Operating procedures		
274	Subp. 9.	Corrective actions		
275	Subp. 10.	CT fluoroscopic procedures		
276	Subp. 11.	Records		
277	4732.0870.	Requirements for stereotactic mammo equip.	145-146	All fac.with mammo units
278	Subp. 1.	Equipment requirements		
279	Subp. 2.	Registrant requirements		
280	Subp. 3.	Quality assurance and quality control procedures		
281	Subp. 4.	Records		
282	4732.0875.	Veterinary radiographic systems	146-153	All veterinary facilities
283	Subp. 1.	Applicability		
284	Subp. 2.	Beam limitation		
285	Subp. 3.	X-ray control console		
286	Subp. 4.	Beam quality half-value layer		
287	Subp. 5.	Operating procedures		
288	Subp. 6.	Add. requirements for fluoroscopic systems		

FINAL RULE INDEX

	A	B	C	D
289	Subp. 7.	Add. requirements for therapy systems		
290	Subp. 8.	Add. Requirements for dental systems		
291	Subp. 9.	Records		
292	4732.0880.	Intraoral dental radiographic systems	153-154	All fac. with dental units
293	Subp. 1.	Applicability		
294	Subp. 2.	Safety controls		
295	Subp. 3.	Beam quality half-value layer		
296	Subp. 4.	Digital radiography		
297	Subp. 5.	Records		
298	4732.0890.	Extraoral dental systems	154-156	All fac.with dental units
299	Subp. 1.	Requirements		
300	Subp. 2.	Safety controls		
301	Subp. 3.	Quality assurance and quality control procedures		
302	Subp. 4.	Digital radiography		
303	Subp. 5.	Records		
304	4721.0895.	Dental CT systems	156	Dental fac. With CT units
305	4732.0900.	General Requirements for Accelerator systems	156-160	Facilities with accelerator
306	Subp. 1.	Applicability		
307	Subp. 2.	Operations		
308	Subp. 3.	Radiation safety officer responsibilities		
309	Subp. 4.	Individual monitoring		
310	Subp. 5.	Operating and emergency procedures		
311	Subp. 6.	Records		
312	4732.0925.	General requirements for therapeutic equip.	160-162	Facilities with therapy
313	Subp. 1.	Protection radiation survey measurements		
314	Subp. 2.	Dosimetry equipment		
315	Subp. 3.	Reports of external beam rad. therapy surveys		
316	4732.0930.	Therapeutic rad. equipment less than 500 kV	162-172	Facilities with therapy
317	Subp. 1.	Equipment requirements		
318	Subp. 2.	Facility design requirements		
319	Subp. 3.	Full calibration measurements		
320	Subp. 4.	Periodic quality control checks		
321	Subp. 5.	Operating procedures		
322	Subp. 6.	Records		
323	4732.0940.	Therapeutic rad. equipment 500 kV & above	172-192	Facilities with therapy
324	Subp. 1.	Equipment requirements		

FINAL RULE INDEX

	A	B	C	D
325	Subp. 2.	Facility design requirements above 500 kV		
326	Subp. 3.	Therapeutic radiological physicist support		
327	Subp. 4.	Operating procedures		
328	Subp. 5.	Full calibration measurements		
329	Subp. 6.	Periodic quality control checks		
330	Subp. 7.	Records		
331	4732.1000.	X-ray fluorescent analyzers & bomb detection reqs.	192-194	Industrial facilities
332	Subp. 1.	Applicability		
333	Subp. 2.	Operating and emergency procedures		
334	Subp. 3.	Instruction and training		
335	Subp. 4.	Inspection and maintenance of equipment		
336	Subp. 5.	Records		
337	4732.1040.	Ind.eq. in manuf. processes, gauges & cabinets	194-197	Industrial facilities
338	Subp. 1.	Applicability		
339	Subp. 2.	Operating procedures		
340	Subp. 3.	Emergency procedures		
341	Subp. 4.	Instruction and training		
342	Subp. 5.	Analytical ionizing radiation producing equipment		
343	Subp. 6.	Bypassing a safety device		
344	Subp. 7.	Manufacturing process equipment		
345	Subp. 8.	Records		
346	4732.1050.	Permanent industrial radiographic installations	197-199	Industrial facilities
347	Subp. 1.	Applicability		
348	Subp. 2.	Permanent installation requirements		
349	Subp. 3.	Locking of sources of radiation		
350	Subp. 4.	Permanent storage precautions		
351	Subp. 5.	Required entrance controls		
352	Subp. 6.	Testing		
353	Subp. 7.	Individual monitoring		
354	Subp. 8.	Records		
355	4732.1055.	Industrial radiography oper. & emer. Procedures	199-201	Industrial facilities
356	Subp. 1.	Operating and emergency procedures		
357	Subp. 2.	Radiation surveys and survey records		
358	Subp. 3.	Calibrated and operable radiation survey instruments		
359	Subp. 4.	Utilization logs		
360	Subp. 5.	Records		

FINAL RULE INDEX

	A	B	C	D
361	4732.1058.	Industrial radiography in temporary jobsite	201-202	Industrial facilities
362	Subp. 1.	Applicability		
363	Subp. 2.	Restricted areas		
364	Subp. 3.	Qualified personnel present		
365	Subp. 4.	Records for temporary job site		
366	4732.1060.	Instruction & training for industrial radiography	202-204	Industrial facilities
367	Subp. 1.	Registrant requirements		
368	Subp. 2.	Individual requirements		
369	Subp. 3.	Required subjects		
370	Subp. 4.	Records		
371	4732.1063.	Warning devices for industrial radiography	204	Industrial facilities
372	Subp. 1.	Open-beam configurations		
373	Subp. 2.	Warning light		
374	Subp. 3.	Warning device labeling		
375	4732.1065.	Posting requirements for industrial radiography	204	Industrial facilities
376	4732.1067.	Surveillance for industrial radiography	204	Industrial facilities
377	4732.1070.	Radiographer certification	205-208	Industrial facilities
378	Subp. 1.	Reqs. for an independent certifying organization		
379	Subp. 2.	Reqs. for certification program		
380	Subp. 3.	Reqs. for written examination		
381	4732.1100.	Installation calibration tests & equip. perf. tests.	208-217	All facilities
382	Subp. 1.	Tests Required		
383	Subp. 2.	Frequency of tests		
384	Subp. 3.	Image receptors		
385	Subp. 4.	Processing		
386	Subp. 5.	All diagnostic Radiographic tubes		
387	Subp. 6.	Fluoro & C-arm Fluoroscopes before 5/95		
388	Subp. 7.	Fluoro & C-arm Fluoroscopes after 5/95		
389	Subp. 8.	Tomography systems not CT		
390	Subp. 9.	CT scanners		
391	Subp. 10.	Cinefluorographic & special procedures systems		
392	Subp. 11.	Dental intraoral systems		
393	Subp. 12.	Dental extraoral systems including panoramic		
394	4732.1120.	Therapeutic equip. perf. tests/measurement equip.	217-220	Facilities with therapy
395	Subp. 1.	Required tests		
396	Subp. 2.	Local standard instrument		

FINAL RULE INDEX

	A	B	C	D
397	Subp. 3.	Other field instruments		
398	Subp. 4.	Relative dosimetry equipment		
399	Subp. 5.	Radiation survey instruments		
400	Subp. 6.	Positioning equipment lasers		
401	Subp. 7.	Phantoms and attenuators		
402	Subp. 8.	Accessory equipment		
403	4732.1130.	External beam teletherapy & simu. syst. tests	220-223	
404	Subp. 1.	Dosimetry		
405	Subp. 2.	Geometry		
406	Subp. 3.	Constancy checks-electrons		
407	Subp. 4.	Treatment accessories		
408	Subp. 5.	Simulators		