

2015
Rationale for Revisions

Part E
Radiation Safety Requirements for Industrial Radiographic Operations

This regulation was last reviewed in 1999 when 10CFR34 was published on May 28, 1997 in Federal Register (62 FR 28948). This review will encompass any changes made to 10 CFR 34 since it was published. References will be removed relating to x-Ray machines with output less than 1MeV (machines not used to conduct industrial x-ray testing similar to the type of inspections conducted using radiographic cameras.) Requirements for x-ray machines with output less than 1 MeV will now be included in State Regulation Part H Radiation Safety Requirements for Analytical X-Ray Equipment. Reference to the new security requirements in 10CFR 37 will be included. Replace “film badge and TLD” with the term “personnel dosimetry” and insert NVLAP approval to account for other devices that are NVLP approved and are being used. Other paragraphs deleted due to applicability date ranges which no longer apply. Clarified that examination fees and what to do in the case of an applicant who fails to appear for the examination. Made grammatical changes.

- E.3 Change “for States who authorize” to “for States that authorize”
- E.4 Change to “Reserve”
- E.4.9 Delete x-ray definitions
- E.5.b.i Delete
- E.5.b.ii Delete
- E.5.1 Change “for States who authorize” to “for States that authorize”
- E.5.m Change “for States who authorize” to “for States that authorize”
- E.10.a Change “or another Agreement State” to “or an Agreement State”
- E.10.b. Change “or another Agreement State” to “or an Agreement State”
- E.10.c. Change “or another Agreement State” to “or an Agreement State”
- E.10.d Delete
- E.10.e Change unit from Ci to microcuries
- E.15.c Change “for States who authorize” to “for States that authorize”.
Change “or another Agreement State” to “or an Agreement State”

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| E.17.a.ii | Delete |
| E.17.c | Change “for States who authorize” to “for States that authorize” |
| E.17.e | Renumbered for proper formatting |
| E.19 | Change “for States who authorize” to “for States that authorize” |
| E.20.a | Change “either a film badge or a TLD” to “and a personnel dosimeter that is processed and evaluated by an accredited National Voluntary Laboratory Accreditation Program (NVLAP) processor.” |
| E.20.iii | Replace with “Film badges must be replaced at periods not to exceed one month and other personnel dosimeters processed and evaluated by an accredited National Voluntary Laboratory Accreditation Program (NVLAP) processor must be replaced at periods not to exceed three months.” |
| E.20.a.iv | Change “film badges and TLD’s” with “personnel dosimeter” in both instances. |
| E.20.e | Change “film badge or TLD” with “personnel dosimeter” |
| E20.f | Change “ film badge or TLD” to “accredited NVLP personnel dosimeter” |
| E.34.c | Change “film badge or TLD” to “accredited NVLP personnel dosimeter” |
| E.34.d | Change “film badges and TLD’s” with “personnel dosimeter” |
| ALL PARTS | Clarify /remove all references to x-ray devices whose output is less than 1 MeV. |
| E.39 | Change “for States who authorize” to “for States that authorize”. Added provisions to indicate that the fee is non-transferrable and what to do in the event that an applicant fails to appear at the examination |
| E.40 | Change “for States who authorize” to “for States that authorize” |
| E.40a | Changed cross-reference to E.17a to reflect changes due to deletion of E.17.a.ii |

E.42 Add additional requirements for pocket dosimetry as contained in 10CFR34.

Requirements for Certification Programs

#1. Renumbered for proper formatting

Requirements for Written Examinations

#2. Reworded for proper grammar and formatting