

**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.

E.4	Change to “Reserve”
E.4.9	Delete x-ray definitions
E.5.b.i	Delete
E.5.b.ii	Delete
E.10.d	Delete
E.10.e	Change unit from Ci to microcuries
E.17.a.ii	Delete
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”

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