

**SYNOPSIS OF
PROPOSED AMENDMENTS TO THE RULES OF THE
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
RADIOACTIVE MATERIALS, CHAPTER 391-3-17**

Rule 391-3-17-.04, “Special Radiation Safety Requirements for Industrial Radiographic Operations,” is being amended.

Purpose: The purpose of this amendment is to revise the requirements for Special Radiation Safety Requirements for Industrial Radiographic Operations to be consistent with the requirements of the NRC.

Main Features: Subparagraph .04(8)(c) is being revised to correct a grammatical error. Subparagraph .04(19)(d) is being revised to be consistent with NRC language. Paragraphs .04(38) and .04(39) are being removed because Georgia will no longer be offering Industrial Radiographer exams and ID cards making these paragraphs unnecessary. Section III. of Appendix A is being revised to remove the word “Written” since Industrial Radiographer exams are now available electronically throughout the United States.

Rule 391-3-17-.05, “Use of Radionuclides in the Healing Arts,” is being amended.

Purpose: The purpose of this amendment is to revise the requirements for the Use of Radionuclides in the Healing Arts to be consistent with the requirements of the NRC.

Main Features: Subparagraphs .05(52)(a)1., .05(63)(a)1., .05(63)(b)2., .05(84)(a)1., and .05(84)(b)2. are being revised to be consistent with NRC language changes. Subparagraph .05(63)(b)2. is also being revised to correct a citation. Subparagraphs .05(116)(a) and .05(116)(b)1. are being revised to match a revised NRC 10 CFR 35.3047 reportable threshold.

Rule 391-3-17-.06, “Transportation of Radioactive Material,” is being amended.

Purpose: The purpose of this amendment is to revise the requirements for Transportation of Radioactive Material to be consistent with the requirements of the NRC.

Main Features: Subparagraph .06(21)(d)3.(i) is being removed to make the rule consistent with existing NRC language. Table 4 “A₁ and A₂ Values for Radionuclides” is being revised to update Sm-147 to match a revised NRC value.

Rule 391-3-17-.09, “Licensing and Radiation Safety Requirements for Irradiators,” is being amended.

Purpose: The purpose of this amendment is to revise the requirements for Licensing and Radiation Safety Requirements for Irradiators to be consistent with the requirements of the NRC.

Main Features: Subparagraph .09(5)(c)1. is being revised to more closely reflect NRC language.

STATEMENT OF RATIONALE
Rules for Radioactive Materials

The purpose for the revisions to the following rules is to be consistent with the requirements of the U.S. Nuclear Regulatory Commission and to make administrative updates:

Rule 391-3-17-.04 – Special Radiation Safety Requirements for Industrial Radiographic Operations

The basis of this rule is to establish standards for radiation safety and certification procedures for persons utilizing radioactive materials for industrial radiography conducted pursuant to licenses issued by EPD.

Rule 391-3-17-.05 – Use of Radionuclides in the Healing Arts

The basis of this rule is to specify the requirements for the production, preparation, compounding and use of radionuclides in the healing arts and for the radiation safety of workers, the general public, patients, and human research subjects.

Rule 391-3-17-.06 – Transportation of Radioactive Material

The basis of this rule is to establish requirements for packaging, preparation for shipment, and transportation of radioactive material for persons subject to these requirements.

Rule 391-3-17-.09 – Licensing and Radiation Safety Requirements for Irradiators

The basis of this rule is to specify requirements for the issuance of a license authorizing the use of sealed sources containing radioactive materials in irradiators used to irradiate objects or materials using gamma radiation. This Rule also contains radiation safety requirements for operating irradiators.

The proposed rule revisions are required to comply with federal requirements or are administrative in nature. They are in no way any more restrictive than the federal requirements and do not incur any additional costs to the Environmental Protection Division or the regulated community beyond those that are required to meet the federal rule.