

**Executive Summary**  
**25 Pa. Code Article V, Chapters 215-221, 223-228, 230, 232 and 240**  
**Radiological Health**

The Department of Environmental Protection (Department) recommends amendments to Article V (relating to radiological health) for consideration by the Environmental Quality Board (Board).

**Summary of the Final Rulemaking**

The final rulemaking will update the standards for the safe use of radiation sources. The chapters being amended are 215 (relating to general Provisions); 216 (relating to registration of radiation-producing machines and radiation-producing machine service providers); 217 (relating to licensing of radioactive material); 218 (relating to fees); 219 (relating to standards for protection against radiation); 220 (relating to notices, instructions and reports to workers; inspections and investigations); 221 (relating to x-rays in the healing arts); 223 (relating to veterinary medicine); 224 (relating to medical use of radioactive material); 225 (relating to radiation safety requirements for industrial radiographic operations); 226 (relating to licenses and radiation safety requirements for well logging); 227 (relating to radiation safety requirements for analytical x-ray equipment, x-ray gauging equipment, electron microscopes and x-ray calibration systems); 228 (relating to radiation safety requirements for particle accelerators); 230 (relating to packaging and transportation of radioactive material); 232 (relating to licenses and radiation safety requirements for irradiators; and 240 (relating to radon certification).

**Purpose of the Final Rulemaking**

The amendments to Chapters 215-221, 223- 228, 230 and 232 are needed to establish and maintain adequate radiation protection standards and oversight due to significant technological advances in the use of radiation sources, based on standards set by the current recognized accrediting bodies and national organizations such as the National Council on Radiation Protection and Measurements and the Conference of Radiation Control Program Directors.

The purpose of the Chapter 240 amendments is to revise the radon certification application requirements and the reporting requirements for certified radon service providers to add clarity to both processes. Additionally, the amendments to the testing and mitigation protocol requirements and the quality assurance and quality control requirements will provide greater detail regarding how these programs should be designed and what goals they should accomplish.

**Affected Parties**

Those persons to be affected by the final rulemaking include any individual, corporation, institution, group, or agency which uses radiation sources or who engages in certified radon activities. There are approximately 11,000 X-ray machine registrants, 825 radioactive material licensees, 150 accelerator licensees, 325 X-ray service providers, and about 600 entities performing certified radon activities.

### **Advisory Groups**

The Department presented the draft final Annex A to the Radiation Protection Advisory Committee (RPAC) on October 19, 2017, for discussion. At that meeting, the RPAC endorsed moving forward with the final rulemaking.

### **Public Comments**

The proposed rulemaking was approved by the EQB on October 18, 2016, and published in the *Pennsylvania Bulletin* on May 13, 2017, with a 45-day public comment period. A webinar was held for Chapters 215-221, 223- 228, 230 and 232 on May 31, 2017. A separate webinar was held for Chapter 240 on May 31, 2017. The EQB received comments from 23 commentators during the public comment period and from the Independent Regulatory Review Commission. These comments were considered and are addressed in the comment and response document that accompanies this final rulemaking.