



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Office of Waste, Air, Radiation & Remediation

Radiation Protection Fee and Program Cost Analysis Report

Radiation Protection Advisory Committee

March 3, 2022

Tom Wolf, Governor

Patrick McDonnell, Secretary

Statutory Requirements

- **Radiation Protection Act (35 P.S. § 7110.401)**

“...set reasonable annual fees for the registration of radiation sources and the licensing of radiation source users.”

- **Radon Certification Act (63 P.S. § 2008)**

“...establish a fee schedule to cover the costs of the certification...”

Regulatory Requirements

25 Pa. Code § 218.11(l) and Chapter 240 App. A:

“The Department will review the adequacy of the fees established in this section at least once every 3 years and provide a written report to the EQB.”

Fee-Related Activities

- **Radiation-Producing Machines (X-ray)**
 - X-ray machines
 - Accelerators
 - Vendors
- **Radioactive Materials (RAM)**
 - Specific Licenses
 - General Licenses
 - Reciprocity
- **Decommissioning**
- **Radon**

Fee-Related Activities: Machines

- **Radiation-Producing Machines (X-ray):**
 - X-ray equipment
 - Accelerators
 - Vendors
- **Includes:** Registration, licensing, inspection and outreach

Revenues vs. Expenses: Machines

Radiation-Producing Machines: Fee increase necessary*

Revenue and Program Cost Projections

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Beginning Bal.	\$2,302	\$2,338	**\$2,848	\$2,445	\$1,915	\$1,284	-\$588	-\$1,742	-\$3,160
Fee Collection	\$4,449	\$4,200	\$4,208	\$4,200	\$4,200	\$4,200	\$4,200	\$4,200	\$4,200
Fines and Pen.	\$89	\$69	\$68	\$0	\$0	\$0	\$0	\$0	\$0
MQSA Cont.	\$530	\$575	\$229	\$588	\$575	\$575	\$575	\$575	\$575
Total Revenue	\$5,068	\$4,844	\$4,505	\$4,788	\$4,775	\$4,775	\$4,775	\$4,775	\$4,775
Program Costs	\$5,033	\$5,142	\$4,908	\$5,318	\$5,406	\$5,568	\$5,735	\$5,907	\$6,095
Ending Bal.	\$2,338	\$2,040	\$2,445	\$1,915	\$1,284	-\$588	-\$1,742	-\$3,160	-\$4,854

*Figures in thousands of dollars. Also assumes current fee rates.

**Funds moved from other areas to help support the Radiation-Producing Machines area due to its decreasing revenue.

Fee-Related Activities: Materials

- **Radioactive Materials**

- Specific Licenses
- General Licenses
- Reciprocity
- Licensing, inspection and outreach

- **Decommissioning**

- Confirmatory surveys for licensees
- Financial Assurance verification
- Support to federal partners (e.g., USACE, EPA)
- Full cost recovery from licensees billed at the current professional fee of \$225/hour

Revenues vs. Expenses: Materials

Radioactive Material and Decommissioning: Fee increase necessary*

Revenue and Program Cost Projections

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Beginning Bal.	\$3,285	\$3,904	**\$2,848	\$2,918	\$2,295	\$1,646	\$824	-\$180	-\$1,373
Fee Collection	\$4,413	\$3,877	\$3,204	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200
Fines and Penalties	\$133	\$73	\$37	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$4,546	\$3,950	\$3,241	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200	\$3,200
Program Costs	\$3,928	\$3,910	\$3,171	\$3,823	\$3,849	\$3,964	\$4,083	\$4,206	\$4,332
Ending Bal.	\$3,904	\$3,944	\$2,918	\$2,295	\$1,646	\$824	-\$180	-\$1,373	-\$2,765

*Figures in thousands of dollars. Also assumes current fee rates.

**Funds moved from other areas to help support the Radiation-Producing Machines area due to its decreasing revenue.

Fee-Related Activities: Radon

Radon

- Certifying radon laboratories, mitigators and testers
- Performing routine inspections of mitigation installations, mitigation offices, testing and laboratory facilities
- Performing blind testing on radon-detection devices
- Providing diagnostic services to homeowners and requesting mitigators on difficult-to-remediate houses
- Providing “Hot Spot” surveys in areas of high radon activity
- Implementing the EPA State Indoor Radon Grant (SIRG)
- Providing free confirmatory testing to homeowners who have installed active mitigation systems and to homes with radon levels greater than 100 pCi/L

Fee-Related Activities: Radon (cont.)

Radon

- Developing and maintaining databases for calculations, tracking data, and surveys; managing databases with IT for certification tracking.
- Providing a wide variety of public information services to increase public awareness of the radon issue.
- Technical staff provide unbiased and expert advice on all aspects of radon to the general public.
- Performing radon related research projects and contributing technical information to the radon industry.

Revenues vs. Expenses: Radon

Radon: No fee increase necessary*

Revenue and Program Cost Projections

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Beginning Bal.	\$2,388	\$2,505	\$2,849 ⁺	\$2,845	\$2,643	\$2,452	\$2,201	\$1,889	\$1,524
Fee Collection	\$360	\$241	\$370	\$300	\$300	\$300	\$300	\$300	\$300
Installation Fee[#]	\$592	\$671	\$609	\$600	\$600	\$600	\$600	\$600	\$600
Fines and Pen.	\$14	\$12	\$19	\$0	\$0	\$0	\$0	\$0	\$0
SIRG[^]	\$353	\$385	\$468	\$429	\$429	\$429	\$0	\$0	\$0
Total Revenue	\$1,319	\$1,309	\$1,466	\$1,329	\$1,329	\$1,329	\$1,329	\$1,329	\$1,329
Program Costs	\$1,152	\$1,252	\$1,470	\$1,531	\$1,520	\$1,566	\$1,613	\$1,661	\$1,711
Ending Bal.	\$2,505	\$2,562	\$2,845	\$2,643	\$2,452	\$2,201	\$1,889	\$1,524	\$1,106

*All figures in thousands of dollars.

[#]\$50 fee for each mitigation installation

[^]State Indoor Radon Grant (SIRG)

+Funds were moved from other areas to help support the Radon area due to its decreasing revenue

Summary

- **Current fees are not adequate for the Radiation-Producing Machines or Radioactive Materials & Decommissioning Programs.**
 - The Department recommends a proposed rulemaking to address the disparity between fee collection and program costs.
- **Current fees will continue to be adequate for the radon program area through FY 2026/27.**
- Nuclear Power Plant increase will be addressed in legislation, if necessary.



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