



# Radioactive Sources in Your Community

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## Radioactive sources in your community

- How is radioactive material regulated in Ohio?
- What are the uses of radioactive material?
- Where are radioactive sources and devices in Ohio?
- What do these sources and devices look like?

# Federally regulated RAM



## Federally regulated RAM

- Nuclear power plants
- Military
- VA hospitals
- General Dynamics
- Department of Energy facilities

## State regulated RAM

On August 31, 1999 the U.S. Nuclear Regulatory Commission transferred the regulatory oversight of most radioactive material users in the state to Ohio.

**The** Ohio Department of Health is the designated Ohio radiation control agency.

## What are the uses of radioactive material?

- **Medical Uses** - use of radioactive materials to monitor, image, or treat metabolic processes or tissues in humans.
- **Veterinary Uses** - use of radioactive materials to treat animals.

## What are the uses of radioactive material?

- Academic and Research Uses - use of radioactive materials in universities, colleges, and other academic institutions for course work, laboratory demonstrations, and research.
- Industrial Uses - the use of radioactive materials in industrial devices such as irradiators, gauging devices, well-logging devices, and industrial radiography systems.

## What are the uses of radioactive material?

- Product Manufacturing and Distribution – manufacturing of products containing radioactive materials to other licensees and members of the public.
- Exempt Consumer Product Uses - products containing radioactive materials whose use is exempt from regulation and that are available in the marketplace to the public.

- There are thousands of devices containing radioactive material in use in Ohio.
- ODH licenses and inspects 1092 sites where radioactive material is used (465 medical and 627 industrial).
- These are the ones that we know about.....

- RAM licensees are inspected on a routine basis by ODH.
- The risk of the material determines the frequency of inspection. Annually to 5 year inspection cycles.

- Licensees with certain material are subject to increased security regulations.
- The security requirements are meant to provide reasonable assurance of preventing the theft or diversion of the most risk-significant quantities of radioactive materials (IAEA Category 1 and Category 2 quantities of radioactive materials).

# Where are radioactive sources and devices in Ohio?



# Where are radioactive sources and devices in Ohio?

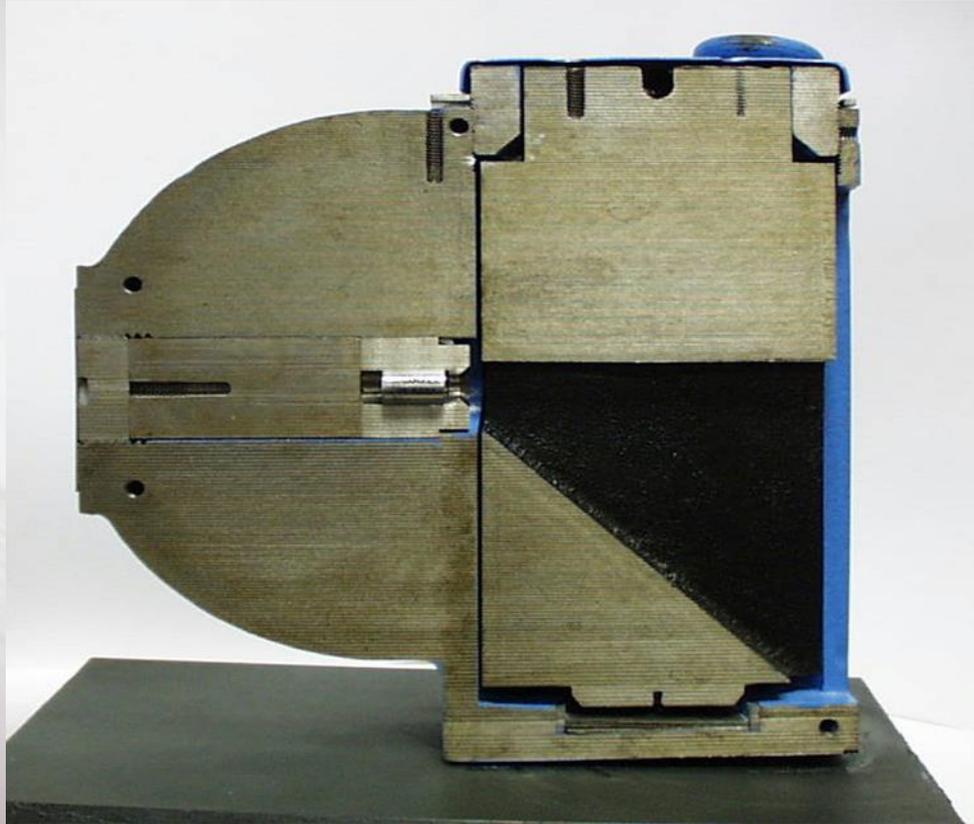
- 82 of 88 counties have sites where radioactive material is used or stored.
- Cuyahoga – 130 sites
- Franklin – 112 sites
- Hamilton - 87 sites

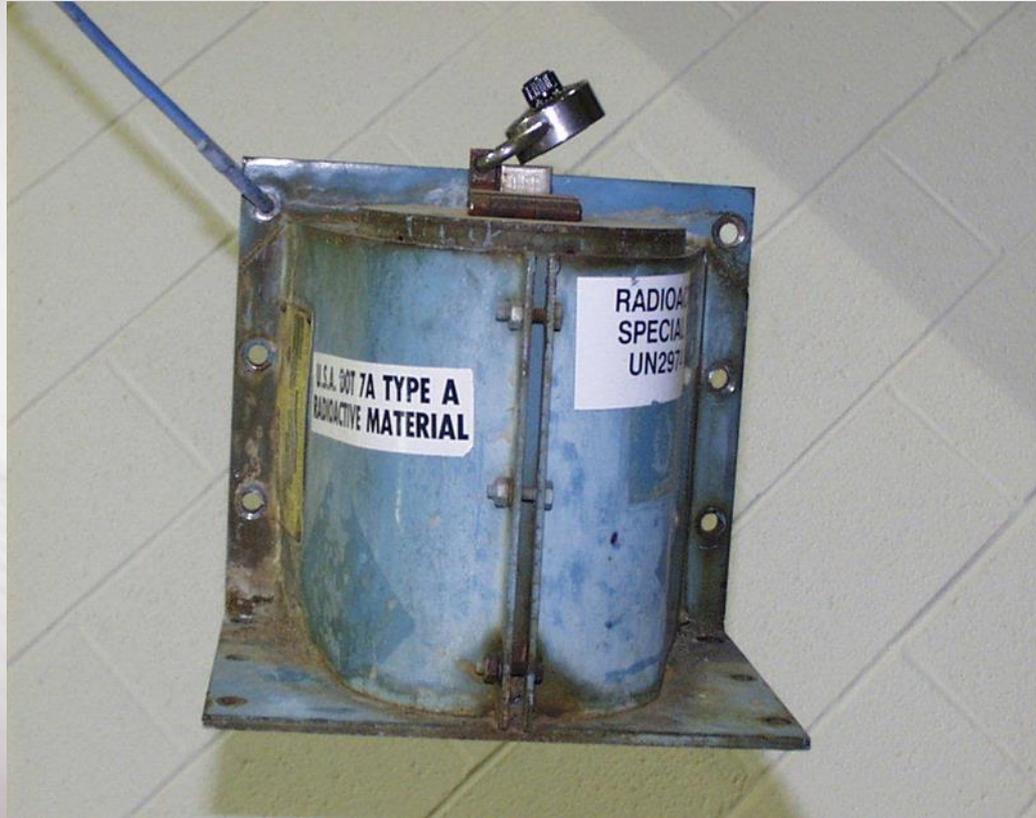




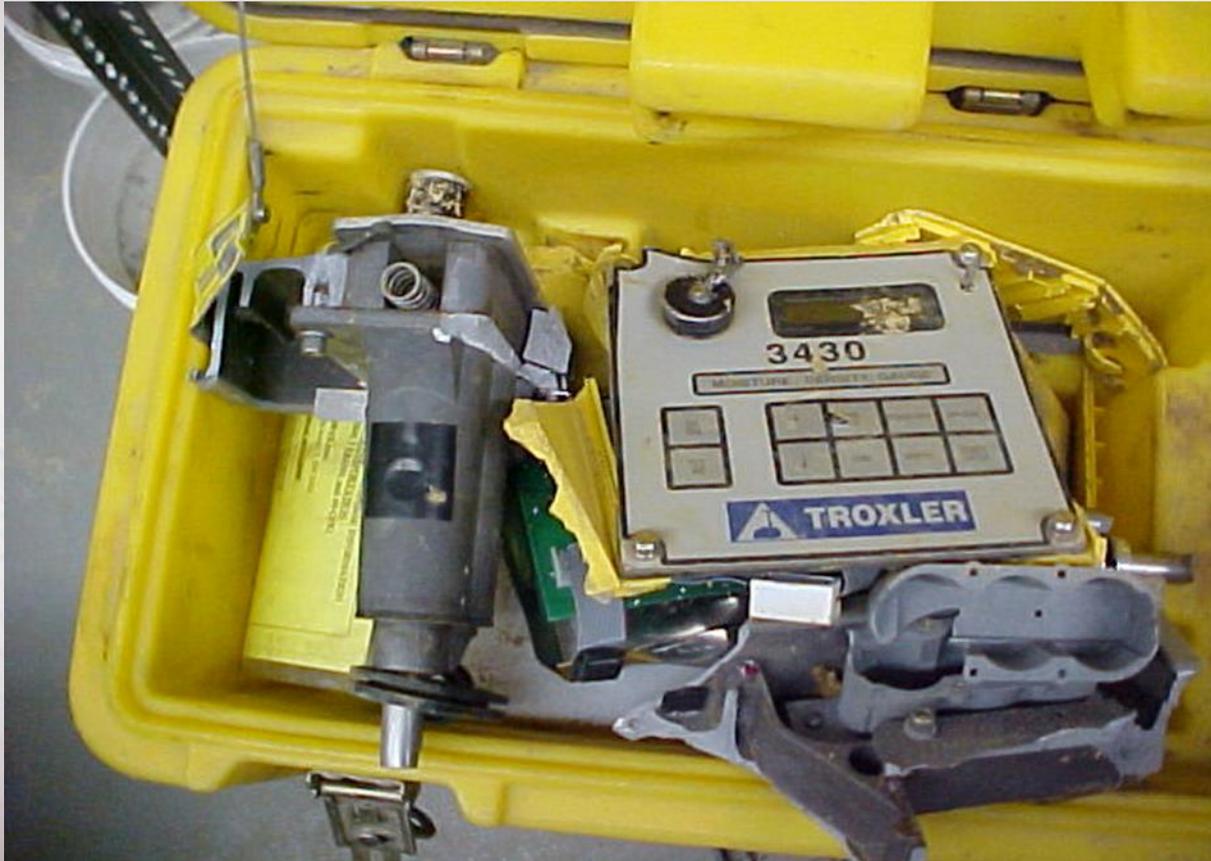






























# Jackson 2009

















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