



## **Topic 4**

# **Additional Molybdenum Breakthrough Testing and Reporting Requirements**

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# **Acronyms**

- **IN - Information Notice**
- **Mo-99 - Molybdenum-99**

# Background

- **Currently, only 1<sup>st</sup> eluate is required to be tested**
- **Prior to 2002, *each* eluate required testing**
- **Mo-99 breakthrough was considered to be a rare event**
- **Manufacturers recommend testing *each* eluate.**

# **Background**

- **Licensees reported failures for both the 1<sup>st</sup> elution, and in some cases, subsequent elutions**
- **In response, NRC issued IN 2008-22 “Molybdenum-99 Breakthrough in Molybdenum-99m/Technetium-99m Generators”**

## **Topic 4 Discussion Point**

- **The NRC is considering amending Part 35 to:**
  - **Require Mo-99 testing of each eluate**
  - **Adding reporting requirement if the regulatory limit is exceeded**

# **Reporting of a Failed Test**

- **If reporting requirements are adopted, how soon after discovery of a failed test should the NRC be notified?**