



WISCONSIN DEPARTMENT
of **HEALTH SERVICES**

Rule Changes for Radioactive Material Licensees

Krista Kuhlman
Nuclear Engineer
March 24, 2018

Overview

- **Compatibility**
- **Major changes to the administrative code**
- **Questions**

Compatibility

- **Nuclear Regulatory Commission (NRC)**
 - **Promulgates rule**
 - **Registers through the Code of Federal Regulations (CFR)**
- **Department of Health Services**
 - **Implements within three years of CFR enactment**
 - **Uses license condition if appropriate**

Compatibility

Compatibility A

- **State program element should be identical**
- **Program elements are about basic radiation protection standards**

Compatibility

Compatibility B

- **Agreement state program element should be essentially the same**
- **Program element with transboundary implications**

Compatibility

Compatibility C

- **Essential program element objectives should be adopted**
- **Manner in which objectives are addressed need not be the same as the NRC**

Major Changes

Addition of Wis. Admin. Code ch. DHS 157, subch. XV

- **Title: “Physical Protections of Category 1 and Category 2 Quantities of Radioactive Material”**
- **Starts at § DHS 157.9700**
- **Definitions related to this subchapter were added to § DHS 157.03**

Major Changes

- **Applies to licensee with Category 1 and Category 2 material**
- **Changes who incidents should be reported to (State of Wisconsin vs. NRC)**

Guidance Document

NRC currently has two guidance documents available:

- **Guidance Document, “NUREG-2155, Implementation Guidance for 10 CFR Part 37, ‘Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material’”**
- **Guidance Document, “NUREG-2166, Physical Security Best Practices for the Protection of Risk-Significant Radioactive Material”**

Other Changes

- **Specific licensees who distribute source material to persons who are generally licensed**
- **Lowered limits for shipping and receiving**
 - **No more than 1.5 kg (3.3 lbs.) of uranium and thorium in dispersible form**
 - **No more than 7 kg (15.4 lbs.) in any one calendar year**
- **Added additional requirements under § DHS 157.11(1)(a)**

Other Changes

Specific requirements for licensees who are required to have a decommissioning funding plan

- **§ DHS 157.15**
- **Clarified that isotopes with a half life greater than 120 days should be used when calculating combinations of isotopes for the sum of the fractions**
- **Specific information needed to determine the cost estimate**

Other Changes

Additional quality assurance requirements for Type B packages

- **§ DHS 157.94(6)**
- **More detail in what is required for the quality assurance program of certificate holder**

Other Changes

- **DHS § 157.09, “Exemptions”:** Lowered percentage of source material to allow certain persons to be exempt from licensing
- **Missed change:** microcuries is sometimes written incorrectly as mCi
 - **Inconsistencies between the PDF and web version**
 - **Becquerel SI unit is always correct**

Corrections

- **Inform the department of any other corrections that may need to be fixed.**
- **Email or phone call.**

Questions?