

Licensing of Uranium at Community Water Systems

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EPA Region 9 – Training – Radionuclides in Drinking Water

Outline

- **US EPA Radionuclides Rule**
- **Regulations (10 CFR 40 and Title 17)**
- **California's two specific licensees**
- **NRC's intent to issue general license**
- **Licensing by California - Future**

US EPA Radionuclides Rule

**Issued 12/7/00 under Safe Drinking Water Act
(65 FR 76708-76753)**

- **Uranium standard at 30 microgram/liter**
- **Separate monitoring for Ra-228**
- **Monitoring at each entry point**

Licensing by NRC or Agreement State

- **New category of license
(Unintended impact of EPA regulation)**
- **Affecting 500 to 2,000 CWS's in U.S.
(Ref: EPA and NRC)**

Licensing by NRC or Agreement State

10 CFR 40

Source material: U in any chemical/physical form

• **No license needed: “Unimportant quantity”**

U at less than 0.05% by weight

10 CFR 40.13(a) exemption (T17, §30180(c)(2))

• **Existing general license 10CFR40.22 (T17, §30191)**

> Unimportant quantity and

< 15 pounds in possession and < 150 pounds/yr

• **Otherwise, specific license required (10CFR40.31)**

California has issued 2 specific licenses:

One to a CWS

- **Specified use locations (two well sites)**
- **RSO**
- **Possession only**
- **Process operations / resin exchange prohibited**
- **Amount of U calculated quarterly**
- **Loaded resin may not be stored for > 60 days**
- **License issued May 2006**

California has issued 2 specific licenses:

One to a service provider

- **Multiple sites (well sites)**
- **For treatment, storage, disposal**
- **RSO**
- **CWS has person designated as a user**
- **Prior to any activity, require 2 day notice to RHB**
- **License issued April 2006**

Licensing by NRC

- **Developing new general license for CWS's**
 - **Using enforcement discretion (min impact) until new general license is implemented**
 - **Issuing generic communications regarding NRC expectations**
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- **Issued specific license for service provider in Jan 2007**

Licensing by California – Future Direction

- Discussion
- Rulemaking