# Irradiated Fuel Policy (the only thing 'spent' is the money)

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#### No Safe Dose

 Since there is no safe dose of radiation, there is no "safe" radioactive waste

 It is our responsibility to LIMIT the total Source Term we give to future generations and the living systems of Earth

## "Solutions"???

- Forever More radioactivity does not "go away" with burning, burying or boiling
- Shell Game since we can't "get rid of it" all we do is move it from pt A to pt B...
- Moving the waste for the purpose of <u>making more</u> = making problem bigger therefore the **opposite** of a "solution"

## We never "had" a repository

- Chlorine-36 data from mid 90's showed Yucca was a bad site – should have dropped it then
- Chemistry of rock + containers + heat + water + oxygen = site a failure
- Many still reject burial at all

# One Congressional District?

 Centralized "Interim" Storage (aka a "parking lot dump") would put a back-log of waste into one Congressional District, leaving 1 member of Congress and 2 Senators to advocate for any further federal appropriations for that waste

- Transmutation reduces actinides while increasing CURIES – and therefore mutagenesis; 300 years hazard ≠ "short"
- Reprocessing makes matters worse no reduction in curies; even <u>partial</u> separation of plutonium → PROLIFERATION and smearing it around makes an enormous, costly, enduring mess -> WEST VALLEY

## Solution = Make More???

- Waste Contracts = waste leaves reactor site property of US taxpayer – enormous (incalculable) corporate bail-out
- Plutonium on open market = bad
- New 2008 / 2009 DOE contracts = swindle of American People
- Waste problem gets BIGGER ≠ solution!

### NRC beginning to ask right questions

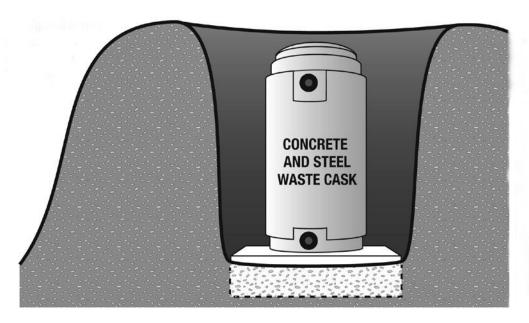
- BUT unless and until step out of role of facilitating more radioactive waste production, will not be credible
- Atomic Energy Act obligations have not been taken seriously – Homeland Security issues are enormous

#### Yes:

- Closed reactors are a driver
  - –But NOT for "centralized interim storage"
  - "Stop making it" is basis for community cooperation and readiness to accept reality-based regulation

- Principles for Safeguarding Nuclear Waste at Reactor Sites (283 groups in 50 states):
  - Establish hardened on-site storage (HOSS)
  - Protect fuel pools
  - Require periodic review of HOSS facilities and fuel pools
  - Dedicate funding to local and state governments for independent monitoring
  - Prohibit reprocessing





Potential Target: 24 to 36 Bundles of Nuclear Rods

