

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 making more = 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 *partial* 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**



