

Rulemaking1CEm Resource

From: RulemakingComments Resource
Sent: Wednesday, October 02, 2013 3:37 PM
To: Rulemaking1CEm Resource
Subject: FW:

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TITLE: Waste Confidence—Continued Storage of Spent Nuclear Fuel

COMMENT#: 00024

-----Original Message-----

From: Grace Adams [<mailto:graceadams830@gmail.com>]

Sent: Tuesday, October 01, 2013 9:47 AM

To: RulemakingComments Resource

Subject:

The horrid mess at Fukushima is good evidence that nuclear power can become very dangerous when something goes wrong. I have NO CONFIDENCE in the ability of corporate nuclear power plant owners to safely store spent nuclear fuel rods even in dry casks. I suggest asking US Navy to choose one of the four commercial nuclear power plants designated for decommissioning as being the safest of the four for them to use as a location where they can use spent fuel rods as high grade ore to make new fuel rods out of. Whether they use the new fuel rods made of material salvaged from old fuel rods in the navy or sell them to remaining commercial nuclear power operators, they will be disposing of those spent fuel rods and avoiding the need to dig up as much more virgin uranium ore as otherwise. They will end up with three products: new fuel rods ready to use, long half-life radio-active material mostly depleted uranium which is toxic but can be used as the counterweight in fork life trucks, and short half-life radio-active material which will need to be stored safely out of harm's way for 300 years after which the remaining hazard will be chemical toxicity rather than radioactivity. That should be less of a problem than storing spent fuel rods safely out of harm's way for 3,000 years waiting for them to decay back down to the same amount of radioactivity as was in all the ore that had to be mined and processed to make the fuel rods. It will mean making whichever nuclear power plant campus the Navy chooses the de facto location for storing spent fuel rods use the have cooled down enough to put in dry casks and ship. I suggest making sure that rail lines between other commercial nuclear power plant campuses and the decommissioned campus chosen by the Navy are as safe as possible.

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