

# PUBLIC SUBMISSION

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**Docket:** NRC-2012-0246

Consideration on Environmental Impacts on Temporary Storage of Spent Fuel After Cessation of Reactor Operation

**Comment On:** NRC-2012-0246-0001

Consideration of Environmental Impacts of Temporary Storage of Spent Fuel After Cessation of Reactor Operation

**Document:** NRC-2012-0246-DRAFT-0026

Comment on FR Doc # 2012-26295

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28

77 FR 65137

## Submitter Information

**Name:** Grace Adams

**Address:**

406 Valley St 3  
Willimantic, CT, 06226-2006

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## General Comment

I understand that a spent nuclear fuel rod needs to spend at least six months in a cooling pool in order to cool off enough to be safely transferred to a dry cask. I also understand just holding spent nuclear fuel rods in dry casks for sixty years at the site of the nuclear power plant in which they were used. Since you still have not found a site for long term storage of spent nuclear fuel rods, it sort of makes sense to hold them in dry casks on the campus of the nuclear power plant in which they were used until either you find a site for long term storage of spent fuel rods or the nuclear power plant is decommissioned. U S Navy has the best overall safety record on anybody on nuclear power. I wish you would ask for their advise and help in dealing with long-term storage of spent fuel rods. There is something called a CANDU for Canadian Deuterium Uranium nuclear power plant. The main claim in favor of it is that it can make good use of most of the leftover uranium in a spend conventional nuclear power plant fuel rod. The main claim against it is it temporarily turns some of that leftover uranium (U238) into Plutonium (P239) which could be a tempting target for a terrorist wanting to make a dirty bomb. Being military, U S Navy would now how to deal with terrorists. In particular, I wish you would ask them whether they would rather commit to helping you guard all the leftover conventional nuclear fuel rods from United States civilian nuclear power plants for the 3,000 years it takes them to settle down to the same amount of radiation as the uranium ore that went into making them with or without using a CANDU to reduce the amount of radioactive material involved as much as possible.

SUNSI Review Complete

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Add = S. Lopez (SLL2)

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Consideration on Environmental Impacts on Temporary Storage of Spent Fuel After Cessation of Reactor Operation

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## Submitter Information

**Name:** Grace Adams

**Address:**

406 Valley St 3  
Willimantic CT, CT, 06226-2006

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## General Comment

We really need to replace BOTH fossil fuel and nuclear power with renewable energy, like wind power, solar power, geothermal power, and some bio-diesel from algae for liquid fuel for monster trucks and trans-ocean flights.

Anything that generates large amounts of waste that need to be stored safely out of harm's way for three thousand years is inherently dangerous--which is why I oppose nuclear power.

SUNSI Review Complete  
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Add= S. Lopas (SLL2)

