# Status of Decommissioning and Storage of Spent Fuel San Onofre Nuclear Generating Station (SONGS)

Item #8

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Water Resources Control Engineer Source Control Regulation Unit











#### **Nuclear Waste** Regulation

- Atomic Energy Act (AEA)
  - Exclusive authority to U.S. Nuclear Regulatory Commission (NRC)
- Code of Federal Regulations (CFR)
  - Excludes nuclear materials regulated by AEA

# **Nuclear Waste**Future Storage Options

- Interim Storage
  - Texas
  - New Mexico

- Permanent Storage
  - Yucca Mountain, Nevada

#### **Comment Letters**

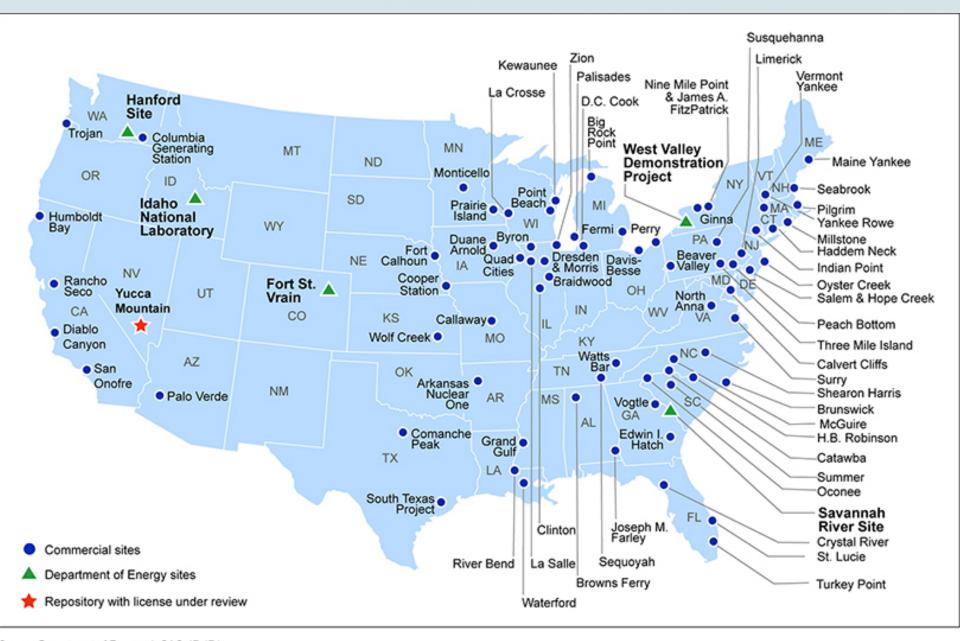
- George and Karen Courser
- Nina Babiarz, Public Watchdogs





## BULLPEN





- 1. Are there existing monitoring wells on the SONGS site?
- NRC requires SONGS to have monitoring wells onsite
- NPDES permit requires monitoring of any discharge from the wells
- 2. Are there sufficient monitoring wells to alert a concerned public of an unauthorized discharge of hazardous or nuclear waste?
- The monitoring wells meet NRC's requirements
- SONGS is required to report unauthorized discharges to San Diego Water Board

- 3. How much tritium has been produced on site in the history of Unit One, Two and Three?
- 4. Of the tritium produced to date, how much has been captured and contained on or off site in storage?
- 5. What quantity of the tritium produced to date has been flushed through the outfall pipes of Unit One, Two and Three?
- Refer to NRC reports

- 6. Is the Regional Board staff and Board aware of documented tritium releases?
- The San Diego Water Board staff are notified of any tritium releases
- 7. What are the actual quantities of waste material being released into the Pacific through the outfall pipes on a daily, weekly and yearly basis?
- The NPDES permit includes flowrate limitations and mass loading limitations for wastewater on a per day basis
- NRC has the discharge records for nuclear material
- 8. Do we have discharge release records and where are they available?
- NRC has the discharge records for nuclear material
- San Diego Water Board has discharge records for wastewater available online or through a public records request

- 9. Are fish caught in the Pacific off of Oceanside and San Clemente safe to consume?
- No health advisories have been issued for fish or shellfish consumption off San Onofre
- 10. Are surfers and swimmers off of San Onofre safe to do so?
- No health advisories have been issued for recreational activities off San Onofre

### Decommissioning

Previous 2 Permits:

**One Current Permit:** 

1,287 MGD

x 2 Outfalls

2,574 MGD

or

~2.5 Billion gallons

56.3 MGD

#### Reduction of ~96%

