

# PUBLIC SUBMISSION

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Duke Energy Florida, Inc. Crystal River Unit 3 Nuclear Generating Plant Post-Shutdown Decommissioning Activities Report

**Comment On:** NRC-2013-0283-0001

Duke Energy Florida, Inc., Crystal River Unit 3 Nuclear Generating Plant Post-Shutdown Decommissioning Activities Report

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## General Comment

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Additional Questions for the NRC Regarding the decommissioning of Crystal River Nuclear Plant, Florida:

I. Costs:

- 1) What are plans if costs are exceeded for de-commissioning?
- 2) Who has full fiduciary responsibility if funds exceeded?

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**Add= C. Gratton (exg)**

- 3) Who will police and conduct ongoing scrutiny?
- 4) Have non-governmental citizen oversight and Citizen Council (including professionals, scientists, etc), salaried, with full authority, during entire operation, concerned with and authority for safety and costs.
- 5) Establish a second Citizen Commission for Accounting Purposes Only,

## II. Future of Spent Nuclear Fuel Storage?

- 1) How will all the fuel, spent and unspent, be transported?
  - 2) Where will they be stored? Temporarily or permanently? Where?
  - 3) Is unused fuel, both rods and water, and any other contaminated substance, even the entire reactor, highly radioactive?
  - 4) Are the various forms, radioactive or not, transportable, and/or resellable?
  - 5) If there is a break down of a reactor, what is done with materials? Put in a hole nearby? Transport out? To Where?
  - 6) Dry Cask storage is more extensive? Why better than putting in the pool form of storage?
  - 7) Are there any broken rods in the pool or anywhere else?
  - 8) What are conditions of rods in pool?
  - 9) How many rods are spent and how many are unspent? Do they all go to dry cask" status in a temporary storage?
- Other alternatives?
- 10) Are spent rods all removed at one time?

## III. SAFETY:

- 1) What are plans for notification of any accidents at plant?
- 2) What is the circumference mileage of fallout of radioactivity to the city, county, state, country and globally? Remember Fukushima and impact on oceans, fish, air, etc.
- 3) Evacuation plans for an accident, or even during transportation?
- 4) Will the site still be radioactive after it is decommissioned? Who will ultimately be responsible for site cleanup once de-commissioned.
- 5) Responsibility and liability should lie with the power company who operate and own it.
- 6) If it is determined that the radioactive and/or spent fuel is too combustible, dangerous, or volatile to be removed, broken down, transported or destroyed (?), what other options remain?
- 7) Could the decommissioning process be so delicate that it might render a nearby (mileage?) community unlivable, uninhabitable, and/or dangerous for human beings, what plans exist to help such communities evacuate?
- 8) In event of a terrorist attack, bomb explosion, or other destructive measure occurs; what impact would that have on de-commissioning?
- 9) Is there an order of materials that need to be removed established for priority purposes? More dangerous first, less dangerous last; or visa versa?

## TRANSPORTATION:

- 1) By sea, rail, highway, air? Is public informed? Or, unknown for "national security" purposes?
- 2) How were rods transported to nuclear plants in first place?
- 3) How many rods will be involved in the Crystal River site removal?