

## TurkeyPointCEm Resource

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**From:** John Fringer [jhenryf3@gmail.com]  
**Sent:** Wednesday, May 27, 2015 9:56 AM  
**To:** TurkeyPointCOLEIS Resource  
**Subject:** TP comment PDF'd  
**Attachments:** No Nukes is good nukes - J.Dwyer 5-21-15.pdf

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**Subject:** TP comment PDF'd  
**Sent Date:** 5/27/2015 9:55:31 AM  
**Received Date:** 5/27/2015 9:55:35 AM  
**From:** John Fringer

**Created By:** jhenryf3@gmail.com

**Recipients:**  
"TurkeyPointCOLEIS Resource" <TurkeyPointCOLEIS.Resource@nrc.gov>  
Tracking Status: None

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MESSAGE	0	5/27/2015 9:55:35 AM
No Nukes is good nukes - J.Dwyer 5-21-15.pdf		102565

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**Recipients Received:**

## TurkeyPointCOLEIS Resource

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**From:** John Dwyer <dwyerj1@comcast.net>  
**Sent:** Thursday, May 21, 2015 1:18 PM  
**To:** TurkeyPointCOLEIS Resource  
**Subject:** No Nukes is good nukes

Dear regulators:

The secrecy is appalling. I have fruitlessly long attempted to discover the effects of Andrew at Turkey Point, Homestead, FL in 1992. My allies and I attended many meetings with FP&L executives concerning the now defunct proposal to build a nuclear power plant in Bonita. Despite Don Eslick's predictions, we packed the Category 3 Meeting of the NRC at the Hyatt Place Coconut Point, Estero, FL on Tuesday, June 16, 2009 and expressed our deep concern for the health and safety dangers inherent in, instead of de-commissioning the Turkey Point reactors, expanding them. One item that was incontrovertible was the impossibility of evacuating South Florida to save us from a nuclear disaster. Mere hurricane evacuation makes our evacuation routes by land, sea and air impassable and effective communication impossible. One item that was heatedly argued by the commissioners present was the "safe" disposal of "spent" nuclear fuel rods which, some commissioners insisted could be converted into "glass logs" and thus neutralized. Depleted uranium doesn't deplete very much. Plutonium-239 only lasts 24,100 years. And Plutonium 244 only lasts 80 million years. We know that Fukushima has poisoned the whole Pacific. We surmise that a tsunami isn't necessary to poison the Atlantic; sea level rise alone will do it, assisting the Corexit and BP oil polluted Gulf Stream. The low-lying wetlands which surround Turkey Point contain some of the lowest elevations in South Florida. Even a half foot of sea level rise will be enough to inundate the 5,000 acres of canals used to cool the two reactors currently operating at this location. They are filled with hot and extremely salty water - as well as chemicals used to kill a recent algae outbreak in the canals.

Now I know at least some of the effects of Andrew. According to the NRC's own report: "The onsite damage included loss of all offsite power for more than 5 days, complete loss of communication systems, closing of the access road, and damage to the fire protection and security systems and warehouse facilities...the high water tank collapsed onto the fire water system, rendering the fire protection system inoperable. In addition, the storm threatened safety-related equipment (e.g., potential collapse of the damaged Unit 1 chimney onto the diesel generator building)." In other words, words fashioned by the NRC, South Florida dodged a very big bullet in 1992. Now in addition to the Turkey Point plan, Progress Energy has applied to build two more in Levy County, north of Tampa.

Nuclear advocates frequently state that both xenon and krypton decay and disappear in a matter of seconds or minutes. What they don't tell us is that these isotopes decay into daughter isotopes that are extremely deadly emitters. Many credible physicians, scientists and other nuclear experts -- free of the self-interests of nuclear profits, academic sponsorship or career advancement -- have outlined the absence of epidemiological studies of certain radionuclides emitted or flushed at nuclear reactors. Dr. Helen Caldicott has elaborated the detrimental health effects of the noble gases xenon (Xe) and krypton (Kr), and she notes that these have appearance hundreds of miles from reactors believed to have emitted them.

- Xenon 137, with a half-life of 3.9 minutes, converts almost immediately to the notoriously dangerous cesium 137 with a half-life of thirty years.
- Krypton 90, half-life of 33 seconds, decays to rubidium 90, half-life of 2.9 minutes, then to the medically toxic strontium 90, half-life of twenty-eight years.
- Xenon 135 decays to cesium 135 with an incredibly long half-life of 3 million years.

- Large amounts of xenon 133 are released at operating reactors, and although it has a relatively short half-life of 5.3 days, it remains radioactive for 106 days.
- Krypton 85, which has a half-life of 10.4 years, is a powerful gamma radiation emitter.
- Argon 39 has a 265-year half-life

The corporate proponents of nuclear power have used all kinds of disinformation and tactics to protect the industry -- compelling the nuclear complex to arm guards to 'protect' these secrets and to 'protect' civilian reactors. It is not only 'terrorists' that the nuclear establishment seeks to protect us from: the armed guards and classified documents are to prevent the public from learning the truth about the destruction of documents, the disappearing of evidence, the falsification of reports and records, the calculated fudging of risk and safety assessments.

This proposed investment of more than 20 billion dollars for each of the reactors (of the rate-payers money) makes no logical sense to anyone except business marketers. Solar power was not considered a viable alternative by the NRC reviewers - even though no state in the eastern half of the U.S. has the solar potential of Florida - also known as the Sunshine State. And in spite of all the advertising they do on the topic - FPL's actual solar production of less than 1/10th of 1 percent of its "energy portfolio" leaves much to be desired. With initiatives like third party rooftop solar coming online soon (and more about the "Floridians for Solar Choice" project in a future email), FPL should drop this risky project and instead embrace a solar alternative that the company knows its customers want. Solar contains virtually none of the risk of its proposed Turkey Point expansion and will contribute to both the ecological and economic sustainability of our region for years to come. The nuclear fuel cycle utilizes large quantities of fossil fuel at all of its stages--the mining and milling of uranium, the construction of the nuclear reactor and cooling towers, robotic decommissioning of the intensely radioactive reactor at the end of its 20 to 40-year operating lifetime, and transportation and long-term storage of massive quantities of radioactive waste, all are risking our environment and our lives.

It is wholly benighted to even think of building unit # 6 and #7. What should be thought about is permanently decommissioning Turkey Point.

Very truly yours,



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