Q-88

Rebecca Giitter

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USNRC

July 7, 2008 (5:55pm)

OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

From: Hearing Docket
Sent: Monday, July 14, 2008 11:38 AM
To: Karen Valloch
Cc: Hearing Docket
Subject: FW: New Nuclear Power Plants

FYI

From: Faith Sadley [mailto:fsadley@comcast.net]
Sent: Monday, July 07, 2008 5:55 PM
To: Hearing Docket
Subject: New Nuclear Power Plants

Why can't Georgia be on the cutting edge and develop new energy that is truly safe for the environment, like wind and solar? We have the climate and the sunshine, it would only make sense. I am totally against any new nuclear power plants anywhere in the country. We haven't done anything about waste disposal that insures it's safety, and it leaves around a ticking bomb for thousands of years. That's not responsible!!!!

The Savannah River basin and nearby communities are already suffering; building more nuclear reactors will only make this situation worse. Since the Early Site Permit (ESP) process allows a company to potentially 'bank' a site for up to 20 years, the NRC should have to look not only at Georgia 'today,' but the Georgia we are likely to live in several decades from now.

Water Use & Supply:

-***Vogtle's 2 existing reactors require huge amounts of water*** with only 1/3 of what was withdrawn being returned to the Savannah River [~64 million gallons per day (mgd) withdrawal with consumption of ~43 mgd]. That's more water than many towns and cities in Georgia use!

-*Doubling the number of reactors on site will only make this worse.* This excess use of water threatens municipalities, industries, agriculture, recreation, and aquatic species. If there is an extended drought—even a drought 20 or 40 years from now, severe consequences could occur.

Water Quality

-***The water discharged from nuclear Plant Vogtle is already hotter than what is withdrawn;*** *more reactors will only make this situation worse.* Temperature changes negatively affect the fish, plant, and animal life that depend on the river.

-The water intake systems at nuclear power plants can kill fish and fish larvae, among other organisms; *having more reactors on site will only make this worse.*

Nuclear Waste

-***High-level radioactive waste created (used nuclear fuel) has no place to be stored or disposed, nor is it likely that a 'solution' will be found in our lifetimes;*** *building more nuclear reactors will only make this situation worse.*

-Existing and future projected waste will remain onsite at Plant Vogtle for generations and generations, threatening indefinitely the health of nearby communities and the environment. Yet the NRC in previous cases has refused to even address or consider this very important issue!

Security

-***Nuclear plants are vulnerable to terrorist attack and sabotage;*** *building more nuclear reactors will only make this situation worse by providing more targets.*

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-Plant Vogtle is also very close to the Department of Energy's Savannah River Site, which stores a large portion of the nation's weapons grade plutonium and other dangerous materials. If an accident or successful terrorist attack occurred, the full impacts to human health and the environment in this region would be immense.

Human Health

-A 1982 Congressional report estimated that if a meltdown occurred at just one of Vogtle's reactors it could cause 39,000 peak* early injuries, 4000 peak cancer deaths, and 200 peak early fatalities with costs over $60 billion; *building more reactors will only worsen these terrible impacts* and put more people's lives and health at risk. These communities are already heavily burdened by pollution in the area. (*Peak means highest calculated value from the study – it does not necessarily mean worst case.)

Sincerely,

Faith Sadley
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From: Faith Sadley <fsadley@comcast.net>
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