

## ClinchRiverESPEISCEm Resource

---

**From:** Dan Pittillo <dpittillo@gmail.com>  
**Sent:** Tuesday, May 23, 2017 7:57 PM  
**To:** ClinchRiverESPEIS  
**Cc:** judymattox@sbcglobal.net  
**Subject:** [External\_Sender] Nuclear production on the Clinch River

Ms. Cindy Bladey  
OWFN-12-H08  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-001

Dear Ms. Bladey:

My Ph.D. research back in the mid-1960's involved radionuclide fallout in two Piedmont Georgia ecosystems, granitic outcrops and adjacent woodlands. In my study, I analyzed the radioisotope fallout from nuclear weapons testing taking place in our West and Russia. The project sampled 9 radioisotopes using scintillation counting for gamma emissions from these elements, particular Cs-127 and Mn-54. My results demonstrated the presence of these radioisotopes in all parts of three tree species, *Juniperus virginiana*, *Pinus taeda*, and *Quercus georgiana*. I also tested the presence of radionuclides in the soils of these trees. I found that those trees at the lower edges of rock outcrops accumulate more radionuclides than high on the outcrop and adjacent woodlands. Thus I am concerned with any potential release of radionuclides into our atmosphere and aquatic ecosystems.

This brings me to the point that development of additional sources of release or potential release will result in bioaccumulation of dangerous radionuclides. This is certainly a problem that can occur in the Clinch River watershed. It could also affect a broad area downwind of the proposed Small Modular Reactors on the Clinch. I propose this project does not proceed in development.

Sincerely,

J. Dan Pittillo

--

J. Dan Pittillo  
601 Cane Creek Road  
Sylva, NC 28779  
ph. [828-293-9661](tel:828-293-9661)  
or [828-226-3091](tel:828-226-3091)(c)

**Federal Register Notice:** 82FR17885  
**Comment Number:** 16

**Mail Envelope Properties** (CAPrGTQ7oYTd5Nh0u0L-sFcW4t4UFgJFA2d3fmjknbd=0pRjKA)

**Subject:** [External\_Sender] Nuclear production on the Clinch River  
**Sent Date:** 5/23/2017 7:57:17 PM  
**Received Date:** 5/23/2017 8:04:02 PM  
**From:** Dan Pittillo

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

**Recipients:**

**Post Office:** mail.gmail.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1586	5/23/2017 8:04:02 PM

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**