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# PUBLIC SUBMISSION

**Docket:** NRC-2013-0037

Receipt and Availability of Application for Renewal of Sequoyah Nuclear Plant

**Comment On:** NRC-2013-0037-0003

License Renewal Application for Sequoyah Nuclear Plant, Units 1 and 2, Tennessee Valley Authority

**Document:** NRC-2013-0037-DRAFT-0003

Comment on FR Doc # 2013-05491

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## General Comment

Please enter the following in opposition to the renewal of the relicensing of the Sequoyah Nuclear Plant.

As you are well aware, there are important safety issues, especially considering the advanced age of the Sequoyah Plant. Risks include flooding from the potential failure of dams upstream from the plant; earthquake risk; and a plant design that is inherently dangerous. There are important cost considerations as well.

I do not believe that a nuclear plant that has received 6 NRC safety citations related to possible flooding is a good bet for future compliance. We certainly need to bear in mind the frightening results of the Fukushima incident, especially considering that flooding at Sequoyah has the potential to rise 2.4 feet above that which the plant can handle and could cost more than a billion dollars in modifications if such damage is to be avoided.

Earthquake risk is also an issue because of Sequoyah's location in the Eastern Tennessee Seismic Zone, which has experienced large quakes within recent years. An earthquake of a feasible magnitude would cause severe damage and possible catastrophic results.

Certainly foremost in the public's mind is the fear of harmful radiation exposure to the public; while the containment of an ice condenser reactor such as Sequoyah's would surely fail in an accident that involved hydrogen ignition. As noted by the Blue Ridge Environmental Defense League, ice condenser plants are exceptionally vulnerable, up to a factor of one hundred times or more.

Other concerns include safety of drinking water, evacuation plans for a growing population in the area, and TVA's history of poor management practices.

The Sequoyah Nuclear Plant should not be relicensed based on the very real threats to public safety that have existed in the past and would continue to exist if relicensing were to be approved.

**SUNSI Review Complete**

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