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# PUBLIC SUBMISSION

**Docket:** NRC-2017-0236

Preparing to License Accident Tolerant Fuel

**Comment On:** NRC-2017-0236-0001

Preparing to License Accident Tolerant Fuel

**Document:** NRC-2017-0236-DRAFT-0002

Comment on FR Doc # N/A

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## Submitter Information

**Name:** Donald Desrosiers

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## General Comment

Using a molten fuel injected into a reactor core heat exchanger designed to be molten as the maximum temperature possible for its purity and shape. When the cooling fluid flows to steam through the heat exchanger the temperature would drop leaving a partly molten or solid mass in the reactor. With disruption if coolant fuel would become molten again for an easy purge from the reactor core stored in a container designed to change the shape and cross section if the fuel that it solidifies with a much lower storage temperature. Initial injection and reinjection after core purge will require fuel to be heated to specific molten injection temperature.

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SUNSI Review Complete

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Add= Andrew Pruffitt (JAP5)