

From: [Carolyn Lauron](#)
To: [Justin Hawkins](#)
Cc: [Greg Cranston](#); [Andrew Brenner](#); [Michael Dudek](#)
Subject: FYI - NRC Technical Paper re: Passive SMRs presented at IAEA Conference
Date: Thursday, December 8, 2022 1:10:00 PM

Hi Justin –

The NRC staff asked that I pass on the following information to you –

The NRC staff recently developed a technical paper and presented it at an IAEA conference. It covers three phenomena that have become increasingly important for the passive SMR LWRs and a focus of the staff's review; (1) radiolytic gas generation and migration, (2) non-condensable gas effects, and (3) boric acid transport if used in the primary circuit to control reactivity. This paper is publicly available in ADAMS and may be useful.

[View ADAMS Properties ML22145A042](#)
[Open ADAMS Document \(Long Term Effects and Numerical Simulation of Radiolytic Gas, Non-Condensable Gas and Boron Transport For Small Modular Light Water Reactors \)](#)

Thanks,
Carolyn