



NRC NEWS

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NRC Makes Available “Hermes 2” Construction Permit Application

The Nuclear Regulatory Commission has received a construction permit application from Kairos Power, LLC, which requests permission to build “Hermes 2,” a two-unit version of its test reactor. The [application](#) for a site next to the company’s existing project in Oak Ridge, Tennessee, is now available for public inspection on the NRC website.

Kairos filed the application on July 14, providing a preliminary safety analysis report for the two-unit facility. Each 35-megawatt reactor is the same size as the original test reactor the NRC is currently reviewing. Each reactor also would use molten salt to cool its core, and they would share a power generation system. The company will have to submit a separate application for an operating license in the future.

The NRC staff is reviewing the application to determine if it is complete and acceptable for processing. If the application is determined to be sufficient, the staff will docket it and start a detailed technical review. The NRC will then publish a notice of opportunity to request an adjudicatory hearing on the application before the NRC’s Atomic Safety and Licensing Board.

Information about Kairos’ Hermes reactor design is available on the NRC [website](#).