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NRC Accepts for Review Construction Permit Application for Long Mott Generating Station

The Nuclear Regulatory Commission has [accepted](#) for review a construction permit application from Long Mott Energy LLC, a wholly owned subsidiary of the Dow Chemical Company. The application requests permission to build Long Mott Generating Station, a multi-unit advanced reactor facility at Dow Chemical's Seadrift site in Calhoun County, Texas. The companies submitted the [application](#) on March 31.

The Dow Chemical reactor project's application includes a preliminary safety analysis report and environmental report for the four-unit facility using X-energy's Xe-100 reactor design. Each Xe-100 reactor in the facility would generate approximately 80 megawatts of electricity, as well as heat to enhance the Dow Chemical plant's efficiency. Each reactor would use helium to cool its core. The construction permit, if approved, would not authorize the operation of the units. The Dow project will have to submit a separate application for operating licenses in the future.

The agency's acceptance, or "docketing" the application, starts the detailed safety and environmental review. More information about [new reactor licensing](#) is available on the NRC website.