



NRC NEWS

Office of Public Affairs, Headquarters

Washington, DC. 20555-0001
www.nrc.gov ■ opa.resource@nrc.gov



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CONTACT: [Office of Public Affairs](#), 301-415-8200

NRC Beats Schedule for Completing Long Mott Environmental Review

Rockville, Md.—The Nuclear Regulatory Commission has completed its [environmental assessment](#) of the proposed Long Mott Generating Station ahead of schedule, marking a key milestone in the review of an advanced X-energy reactor facility at Dow Chemical’s Seadrift site in Port Lavaca, Texas.

The agency determined that an environmental assessment, rather than a more extensive environmental impact statement, better addresses the project’s limited environmental footprint at an existing industrial location. This approach allows for a more efficient review while maintaining rigorous environmental standards.

“This milestone demonstrates that we can complete our reviews efficiently, enabling new reactor projects while upholding our responsibility to protect people and the environment,” said NRC Executive Director for Operations Mike King. “Using an environmental assessment in this case reflects the project’s relatively low potential for environmental impacts and helps provide a more predictable path forward.”

The agency expects to complete its safety review of the construction permit application later this year, consistent with the 18-month timeline required by Executive Order 14300. A final agency decision on the permit would follow.

Long Mott Energy LLC’s construction permit application proposes a four-reactor facility using X-energy’s Xe-100 reactor design. Each reactor would generate approximately 80 megawatts of electricity, as well as heat to enhance the Dow Chemical plant’s efficiency.

If approved, the construction permit would authorize building the facility but not its operation. The company would need to submit a separate application for operating licenses.

Long Mott Energy submitted the application March 31, 2025, and the NRC’s environmental review began June 10, 2025. Additional information is available on the agency’s [website](#).

The U.S. Nuclear Regulatory Commission was created as an expert, technical agency to protect public health, safety, and security, and regulate the civilian use of nuclear materials, including enabling the deployment of nuclear power for the benefit of society. Among other responsibilities, the agency issues licenses, conducts inspections, initiates and enforces regulations, and plans for incident response. The NRC is collaborating with interagency partners to implement reforms outlined in new Executive Orders and the ADVANCE Act to streamline agency activities and enhance efficiency.