



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 20, 2023

Travis Chapman
Director, Reactor Licensing
And Regulatory Affairs
X Energy, LLC
801 Thompson Avenue
Rockville, MD 20852

SUBJECT: X-ENERGY, LLC – U.S. NUCLEAR REGULATORY COMMISSION
OBSERVATIONS REGARDING XE-100 WHITE PAPER: EMERGENCY
PLANNING APPROACH AND REGULATORY ANALYSIS
(EPID: L-2023-LRO-0062)

Dear Mr. Chapman:

By letter dated August 28, 2023, Agencywide Documents Access and Management System Package Accession No. ML23240A744, X Energy, LLC submitted the white paper titled "Emergency Planning Approach and Regulatory Analysis," to the U.S. Nuclear Regulatory Commission (NRC) for review.

The NRC staff's observations pertaining to this white paper are provided in the enclosure to this letter. If you have any questions regarding this matter, please contact Adrian Muñoz at (301) 415-4093 or via email at Adrian.Muniz@nrc.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Wentzel".

Signed by Wentzel, Michael
on 12/20/23

Michael Wentzel, Chief
Advanced Reactor Licensing Branch 2
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

Project No.: 99902071

Enclosure:
As stated

cc: X-Energy Xe-100 via GovDelivery

T. Chapman

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(EPID: L-2023-LRO-0062) DATED: DECEMBER 20, 2023

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ADAMS Accession Nos.:
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