



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

December 16, 2020

Dr. Martin Van Staden  
Vice President, Design Engineering  
& Xe-100 Program Manager  
X-Energy, LLC  
801 Thompson Avenue  
Rockville, MD 20852

SUBJECT: VERIFICATION LETTER OF THE APPROVAL VERSION OF X-ENERGY, LLC  
XEQAPD-NP-A, "QUALITY ASSURANCE PROGRAM DESCRIPTION  
REVISION 3"

Dear Dr. Van Staden:

By letter dated December 4, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20343A088), X-Energy, LLC (X-Energy) submitted an approval version ("-A") of the XEQAPD Revision 3-NP-A, "Quality Assurance Program Description (QAPD) for Design Certification of the Xe-100 Reactor," to the U.S. Nuclear Regulatory Commission (NRC) staff. X-Energy has done so in accordance with our letter dated September 4, 2020 (ADAMS Accession No. ML20233A910), transmitting the NRC staff's confirmation of Revision 3-NP-A as the acceptable version.

The NRC staff has completed its review of the -A version of the topical report. The NRC staff verified that X-Energy has met the requirements and determined that the submitted -A version is acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations delineated in the accepted version of the topical report. The -A version, XEQAPD Revision 3-NP-A, "Quality Assurance Program Description (QAPD) for Design Certification of the Xe-100 Reactor," is now approved for use in future licensing actions.

Please contact Lucieann Vechioli of my staff at (301) 415-6035 if you have any questions on this subject.

Sincerely,

*Stewart L. Magruder* Magruder, Stewart signing on behalf  
of Beasley, Benjamin  
on 12/16/20

Benjamin Beasley, Chief  
Advanced Reactor Licensing Branch  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

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XEQAPD-NP-A, "QUALITY ASSURANCE PROGRAM DESCRIPTION  
REVISION 3" DATED December 16, 2020

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**ADAMS Accession No. ML20351A428**

**NRR-106**

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DATE	12/16/2020	12/16/2020	12/16/2020

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