LONG MOTT ENERGY, LLC – ENCLOSURE 5 – LIST OF DOCUMENTS NRC STAFF REVIEWED IN THE ERR DURING THE REGULATORY AUDITS FOR THE LONG MOTT GENERATING STATION CONSTRUCTION PERMIT APPLICATION

Document Number	Document Title	Revision / Date
	2023 PRA to 2024 PRA LBE Names Crosswalk	Uploaded September 2, 2025
	Accidental Release Evaluation Using a Groundwater Transport Model	November 22, 2024, Rev. 0
XE-C-ME-022	Aircraft Hazard Evaluation – Rev 1	8/12/2024
	Annual 2021 North Landfill and North Landfill Expansion Cell, Groundwater Detection Monitoring Report	3/11/2022
A000L249	Architecture Floor Plan Level 00	Rev. B_2
011122	ARDP Helium Service System (HSS) Development Work Plan	April 7, 2025, Rev. 1
009279	ASME Section III, Division 5 Design Guide for Metallic Components Service Receipt Inspection Report	January 10, 2024, Rev. 1
	Attachment 1	Uploaded March 31, 2026
	Attachment 2	Uploaded March 31, 2026
	Attachment 3	Uploaded March 31, 2026
010193	Conceptual Design of Xe-100 Reactor Support Structure Service Receipt Inspection Report	August 26, 2024, Rev. 1
008534	Controls & Electrical Building Service Receipt Inspection Report	December 29, 2023, Rev. 1
	Cross-sections 1-g CrossSectionCollapsing	Uploaded February 2, 2026
	Crosswalk	Uploaded August 22, 2025
VAL-2.4.5 8-001	Design Calculation Analysis Cover Sheet	11/6/2025
010010	Design Information Transmittal (DIT) DRAFT Reactor Building Drawings supporting the Gate 6 Draft-A MTO	July 8, 2024, Rev. 2
010248	Design Information Transmittal (DIT) Exclusion Area Boundary	November 18, 2025, Rev. 2
013205	Design Information Transmittal (DIT) Preliminary Fuel Pebble Source Term and Dose Estimate	January 28, 2026, Rev. 2
013205	Design Information Transmittal (DIT) Preliminary Fuel Pebble Source Term and Dose Estimate	December 19, 2025, Rev. 1
009874	Design Information Transmittal (DIT) Preliminary Scoping FHAB Water Ingress Criticality Safety Study with SCALE	May 9, 2024, Rev. 0
006982	Design Information Transmittal (DIT) Preliminary Scoping GOTHIC DLOFC, PLOFC, and SGTR Temperature Profiles	January 4, 2024, Rev. 3
001253	Design Information Transmittal (DIT) Preliminary Xe-100 Equilibrium	November 6,

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	Core VSOP99 Seismic Event Analysis	2023, Rev. 2
010097	Design Information Transmittal (DIT) Verification of Safety Analysis Post-Design Reconfiguration	November 29, 2024, Rev. 3
001913	Design Information Transmittal (DIT) White Paper on Xe-100 Pebble Durability	August 18, 2021, Rev. 1
009179	Dow Chemical 8.14 / AACE Class (4) Estimate Basis of Estimate	November 20, 2024, Rev. 6
XE-C-CE-024	Drilled Pier Geotechnical Capacity – Rev 1	12/23/2025
	Evaluate Wave Run-up, and Hydrostatic and Hydrodynamic Forces on Safety-Related SSCs at LMGS due to Storm Surge – Revision 0	Uploaded December 8, 2025
XE-C-CE-038	Evaluate Wave Run-up, and Hydrostatic and Hydrodynamic Forces on Safety-Related SSCs at LMGS due to Storm Surge	Rev. 0
	Evaluation of On-Site Embankment Failure Flooding Effects at Long Mott Generating Station –Revision 1	Uploaded December 8, 2025
XE-C-CE-018	Evaluation of On-Site Embankment Failure Flooding Effects at Long Mott Generating Station	Rev. 1
QAP 16.2	Evaluation of Potential Dam Failure Flooding Effects at Long Mott Generating Station –Revision 0	Uploaded December 8, 2025, Rev. 2
XE-C-CE-016	Evaluation of Potential Dam Failure Flooding Effects at Long Mott Generating Station	Rev. 1
XE-C-CE-016	Evaluation of Potential Dam Failure Flooding Effects at Long Mott Generating Station	Rev. 0
XE-C-CE-015	Evaluation of Probable Maximin Flood for the Guadalupe River Basin at Long Mott Generating Station	Rev. 1
XE-C-CE-015	Evaluation of Probable Maximin Flood for the Guadalupe River Basin at Long Mott Generating Station	Rev. 0
	Evaluation of Probable Maximum Flood for the Guadalupe River Basin at Long Mott Generating Station – Revision 0	Uploaded December 8, 2025
	Evaluation of Probable Maximum Flood for the San Antonio Basin at Long Mott Generating Station – Revision 0	
XE-C-CE-041	Evaluation of Probable Maximum Flood for the San Antonio Basin at Long Mott Generating Station	Rev. 0
	Evaluation of Probable Maximum Flood for West Coloma Creek at Long Mott Generating Station – Revision 1	Uploaded December 8, 2025
XE-C-CE-019	Evaluation of Probable Maximum Flood for West Coloma Creek at Long Mott Generating Station	Rev. 1
005272	Ex-Core Criticality Methodology and Analysis Plan	November 17, 2023, Rev. 7
014586	Fuel Handling System (FHS) Sphere Unloading Machine (SUM) Failure Modes and Effects Analysis with Relation to Maintaining Core Geometry Design Information Transmittal (DIT)	May 21, 2026, Rev. 1
000807	FXREF – 000807 Rev. 5 – Data	Uploaded February 2, 2026, Rev. 5
QAe2040	Geologic Map of the Guadalupe Delta Texas Gulf of Mexico Coast,	2013

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	Green Lake Quadrangle Open-File Map– Bureau of Economic Geology, University of Texas at Austin	
QAe2041	Geologic Map of the Guadalupe Delta, Texas Gulf of Mexico Coast, Austwell Quadrangle Open-File Map– Bureau of Economic Geology, University of Texas at Austin	2013
QAe2038	Geologic Map of the Guadalupe Delta, Texas Gulf of Mexico Coast, Bloomington SW Quadrangle Open-File Map– Bureau of Economic Geology, University of Texas at Austin	2013
QAe2042	Geologic Map of the Guadalupe Delta, Texas Gulf of Mexico Coast, Seadrift Quadrangle Open-File Map– Bureau of Economic Geology, University of Texas at Austin	2013
QAe7772	Geologic Map of the Port Lavaca West Quadrangle Texas Gulf of Mexico Coast Open-File Map 0239 – Bureau of Economic Geology, University of Texas at Austin	2019
	Groundwater Flow Directions, Vertical and Horizontal Gradients, Groundwater Flow Velocity	November 14, 2024, Rev. 1
	Hydrology Follow-up Additional Information Sections 2.4.2 – 2.4.6 Revised 3-31-2026	Uploaded March 31, 2026
	Hydrology Follow-up Additional Information Sections 2.4.2 – 2.4.6	Uploaded January 7, 2026
	Hydrology Follow-up Reference Pointers	Uploaded January 7, 2026
	LBE Categorization and SSC Safety Classification	January 28, 2026
	Liquid Radioactive Waste Subsystem Design Description	June 1986
	LME Position: Burn Up Measurement System (BUMS) Should be Excluded from the 10 CFR 50.34(a)(8) Long Mott Generating Station Research and Development Program	Uploaded June 9, 2026
	LME Position: Reactor Control and Shutdown System (RCSS) Should be Excluded from the 10 CFR 50.34(a)(8) Research and Development Program (Except for Aspects Covered by the Materials Qualification Program)	Uploaded June 9, 2026
	LME Position: Transient and Safety Analysis Methodology (TSAM) Should be Excluded from the 10 CFR 50.34(a)(8) Long Mott Generating Station Research and Development Program	Uploaded May 29, 2026
	LME Position: TRISO Fuel Pebble Exclusion from the 50.34(a)(8) Research and Development Program	Uploaded June 1, 2026
	Local Intense Precipitation Generated Flood Elevations at Long Mott Generating Station – Revision 0	Uploaded December 8, 2025
XE-C-CE-014	Local Intense Precipitation generated Flood Elevations at Long Mott Generating Station	Rev. 0
	Long Mott Generating Station Preliminary Safety Analysis Report Chapter 2 Additional Information Submittal and Review	October 28, 2025
009972	Long-Term Control Heat Removal Safety Analysis Report	July 8, 2024, Rev. 1
009972	Long-Term Control Heat Removal Safety Basis Report	July 8, 2024, Rev. 1
006153	Main Control Room Layout Report	August 1,

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		2023, Rev. 1
006153	Main Control Room Layout Report	August 1, 2023, Rev. 2
014619	Methodology to Evaluate Control Rod Insertion for Multi-Component Graphite Core Assemblies with the XECORE Program Service Receipt Inspection Report	April 27, 2026, Rev. 1
	NEI Comments on Draft Regulatory Guide DG-1436	January 27, 2025
010800	Normal Effluent Dose Assessment	November 7, 2024, Rev. 1
	Operating Experience Program Procedure	October 7, 2024, Rev. 0D
008820	PCDAS Total Plant Automation Statement of Work – Rev 1	1/9/2025
	PMC Architecture	Uploaded 8/25/2025
	Position Paper: Licensing Basis Event Scope of Principal Design Criteria	June 15, 2026
007417	Preliminary – Fuel Handling System Safety Basis	July 21, 2023, Rev. 1
007417	Preliminary – Fuel Handling System Safety Basis	July 21, 2023, Rev. 1
000807	Preliminary Flownex Reactor Scoping Model Report	April 25, 2023, Rev. 5
012297	Preliminary Heat Deposition Analysis for the Xe-100 Reactor Design Information Transmittal	August 25, 2025, Rev. 1
011204	Preliminary HVAC System (HV) Design Status	July 1, 2025, Rev. 2
005616	Preliminary Reflector Graphite Material Properties Report	September 13, 2023, Rev. 2
013048	Preliminary Scoping SFISF Criticality Safety Water Ingress Analysis Report	January 27, 2026, Rev. 1
000288	Preliminary Scoping Xe-100 Core Design Steady State Equilibrium Report	February 6, 2026, Rev. 7
013804	Preliminary Scoping Xe-100 Initial Criticality, Power Ascension, and Run-In Core Physics Analysis	March 30, 2026, Rev. 1
006088	Preliminary Scoping Xe-100 Input Data and Boundary Conditions Report	January 12, 2023, Rev. 1
004285	Preliminary Spent Fuel Intermediate Storage Facility (SFISF) Thermal Analysis Service Receipt Inspection Report	December 19, 2023, Rev. 2
005504	Preliminary Xe-100 GOTHIC 8.4a(QA) Reactor System Model Report Service Receipt Inspection Report	January 8, 2023, Rev. 3
005504	Preliminary Xe-100 GOTHIC8.4a(QA) Reactor System Model Report Service Receipt Inspection Report	January 8, 2023, Rev. 3
005504	Preliminary Xe-100 GOTHIC8.4a(QA) Reactor System Model Report Service Receipt Inspection Report	January 8, 2023, Rev. 3
005504	Preliminary Xe-100 GOTHIC8.4a(QA) Reactor System Model Report Service Receipt Inspection Report	January 8, 2023, Rev. 3
005504	Preliminary Xe-100 GOTHIC8.4a(QA) Reactor System Model Report Service Receipt Inspection Report	January 8, 2023, Rev. 3
005504	Preliminary Xe-100 GOTHIC8.4a(QA) Reactor System Model Report	January 8,

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	Service Model Receipt Inspection Report	2023, Rev.3
001580	Probabilistic Risk Assessment: Compressed and Instrument Air System	June 6, 2024, Rev. 3
009473	Probabilistic Risk Assessment: Configuration Control Program	January 20, 2025. Rev. 2
002622	Probabilistic Risk Assessment: Data Analysis – Preliminary Scoping Analysis Report	October 3, 2024, Rev. 3
009982	Probabilistic Risk Assessment: Design Maturity Milestone (2nd Quarter of 2024)	August 29, 2024, Rev. 2
001696	Probabilistic Risk Assessment: Electrical System Notebook – Preliminary Scoping	May 31, 2024, Rev. 3
002414	Probabilistic Risk Assessment: Event Sequence Analysis – Preliminary Scoping	August 9, 2024, Rev. 4
	Probabilistic Risk Assessment: Event Sequence Quantification Preliminary Scoping Analysis Report	September 5, 2024, Rev. 6
	Probabilistic Risk Assessment: Event Sequence Quantification Preliminary Scoping Analysis Report	September 5, 2025, Rev. 7
005147	Probabilistic Risk Assessment: Event Sequence Quantification Preliminary Scoping Analysis Report	September 5, 2024, Rev. 6
005147	Probabilistic Risk Assessment: Event Sequence Quantification Preliminary Scoping Analysis Report	September 5, 2024, Rev. 6
009282	Probabilistic Risk Assessment: External Flooding Design Basis Hazard Level Input	February 18, 2025, Rev. 2
009282	Probabilistic Risk Assessment: External Flooding Design Basis Hazard Level Input	February 18, 2025, Rev. 2
010343	Probabilistic Risk Assessment: Feedwater and Condensate System – Preliminary Scoping	August 15, 2024, Rev. 1
002036	Probabilistic Risk Assessment: Helium Service System (HSS) – Preliminary Scoping	June 9, 2023, Rev .1
009283	Probabilistic Risk Assessment: High Winds Design Basis Hazard Level – Preliminary	April 1, 2024, Rev. 1
001565	Probabilistic Risk Assessment: Human Reliability Analysis – Preliminary Scoping	June 27, 2023, Rev. 2
	Probabilistic Risk Assessment: Initiating Event Analysis – Preliminary Scoping	October 8, 2025
	Probabilistic Risk Assessment: Initiating Event Analysis – Preliminary Scoping	July 15, 2024
000897	Probabilistic Risk Assessment: Initiating Event Analysis – Preliminary Scoping	July 28, 2023, Rev. 3
000897	Probabilistic Risk Assessment: Initiating Event Analysis – Preliminary Scoping	July 15, 2024, Rev. 4
010344	Probabilistic Risk Assessment: Main Steam and Process Steam Supply Systems – Preliminary Scoping	August 22, 2024, Rev. 1
006869	Probabilistic Risk Assessment: Mechanistic Source Term Analysis – Preliminary Scoping	October 22, 2024, Rev. 3
010771	Probabilistic Risk Assessment: Model Gap Assessment – Initiating Event Analysis – Preliminary Scoping	December 9, 2024, Rev. 2
010803	Probabilistic Risk Assessment: Model Gap Assessment – Success Criteria Development – Preliminary Scoping	October 29, 2024, Rev. 1
010773	Probabilistic Risk Assessment: Model Gap Assessments – Human	December 9,

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	Reliability Analysis – Preliminary Scoping	2024, Rev. 2
010791	Probabilistic Risk Assessment: Model Gap Assessments – Other Hazards Screening – Preliminary Scoping	October 31, 2024, Rev. 1
010770	Probabilistic Risk Assessment: Model Gap Assessments – System Analysis – Non-Safety-Related and Non-Safety-Related with Special Treatment Systems – Preliminary Scoping	December 9, 2024, Rev. 2
001697	Probabilistic Risk Assessment: Nuclear Island HVAC System Notebook Preliminary Scoping Analysis Report	April 18, 2022, Rev. 1
009284	Probabilistic Risk Assessment: Other Hazards and Screening – Preliminary Scoping	September 26, 2024, Rev. 1
000824	Probabilistic Risk Assessment: Plant Operating State Analysis – Preliminary Scoping	July 25, 2022, Rev. 1
006870	Probabilistic Risk Assessment: Radiological Consequence Analysis – Preliminary Scoping	November 25, 2024, Rev. 5
002035	Probabilistic Risk Assessment: Reactor protection System Phase 1 System Notebook – Preliminary Scoping Analysis Report	September 9, 2024, Rev. 2
010786	Probabilistic Risk Assessment: Risk Assessment Application Process – Reactor System Analysis	November 1, 2024, Rev. 1
010807	Probabilistic Risk Assessment: Risk Assessment Application Process – Reactor Protection System Analysis	December 9, 2024, Rev. 1
002200	Probabilistic Risk Assessment: Risk Integration – Preliminary Scoping	November 26, 2024, Rev. 5
005266	Probabilistic Risk Assessment: Steam Generator System – Preliminary Scoping	August 8, 2024, Rev. 2
007837	Probabilistic Risk Assessment: System Analysis – Investment Protection System and Distributed Control System	August 27, 2024, Rev. 2
001998	Probabilistic Risk Assessment: System Analysis Methodology	September 24, 2024, Rev 3
001998	Probabilistic Risk Assessment: System Analysis Methodology	September 24, 2024, Rev. 3
004705	Probabilistic Risk Assessment: System Analysis: Conventional Island Cooling Water Supply System – Preliminary Scoping	August 19, 2024, Rev. 4
001693	Probabilistic Risk Assessment: System Analysis: Helium Circulator System – Preliminary Scoping	May 5, 2025, Rev. 3
001695	Probabilistic Risk Assessment: System Analysis: Nuclear Island Cooling Water Supply System – Preliminary Scoping	July 5, 2024, Rev. 2
005632	Probabilistic Risk Assessment: System Analysis: Nuclear Island Process Water System – Preliminary Scoping	August 29, 2024, Rev. 2
002694	Probabilistic Risk Assessment: System Analysis: Reactor cavity Cooling System – Preliminary Scoping	July 5, 2024, Rev. 4
002025	Probabilistic Risk Assessment: System Analysis: Reactor System – Preliminary Scoping	September 16, 2024, Rev. 2
002124	Probabilistic Risk Assessment: System Analysis: Startup and Shutdown System – Preliminary Scoping	May 16, 2024, Rev .4
010701	Probabilistic Risk Assessment: Technical Adequacy Gap Assessment for the Preliminary Safety Analysis Report – Preliminary Scoping	October 29, 2024, Rev. 2
010779	Probabilistic Risk Assessment: Technical Adequacy Gap Assessments	October 28,

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	– Event Sequence Analysis – Preliminary Scoping	2024, Rev. 1
010780	Probabilistic Risk Assessment: Technical Adequacy Gap Assessments – Risk Integration – Preliminary Scoping	November 1, 2024, Rev. 1
006939	Probabilistic Risk Assessment: Technical Adequacy Summary for the Preliminary Safety Analysis Report	December 19, 2024, Rev. 1
006423	Probabilistic Risk Assessment: Xe-100 Helium Pressure Boundary Reliability Preliminary Scoping Analysis Report	September 5, 2025, Rev. 3
	Probable Maximum Hurricane for Calculating the Probable Maximum Storm Surge at Long Mott Generating Station – Revision 0	Uploaded December 8, 2025
XE-C-CE-013	Probable Maximum Hurricane for Calculating the Probable Maximum Storm Surge at Long Mott Generating Station	Rev. 0
	Probable Maximum Precipitation for Calculating the Probable Maximum Flood at Long Mott Generating Station – Revision 0	Uploaded December 8, 2025
	Probable Maximum Precipitation for Calculating the Probable Maximum Flood of San Antonio Basin at Long Mott Generating Station – Revision 0	December 8, 2025
XE-C-CE-012	Probable Maximum Precipitation for Calculating the Probable Maximum Flood at Long Mott Generating Station	Rev. 0
XE-C-CE-040	Probable Maximum Precipitation for Calculating the Probable Maximum Flood of San Antonio Basin at Long Mott Generating Station	Rev. 0
SL-XEN2025-004	Probable Maximum Store Surge Analysis for Project Long Mott	Rev. 0
XE-C-CE-036	Probable Maximum Storm Surge Analysis for Project Long Mott	November 5, 2025, Rev. 1
	Probable Maximum Storm Surge Analysis for Project Long Mott – ADCIRC+SWAN Technical Report – Revision 1	Uploaded December 8, 2025
	Probable Maximum Storm Surge Analysis for Project Long Mott – SLOSH Technical Report – Revision 0	Uploaded December 8, 2025
	PSAR Ch. 2 Additional Information Regulatory Crosswalk_Rev1_	Uploaded December 8, 2025, Rev. 1
	PSAR_Ch._2_Additional_Information_Regulatory_Crosswalk_11.18.25	Uploaded November 18, 2025
DOW-RFI-SL-007	Radiological Effluents Xe	Uploaded September 2, 2025
009429	Radiological Source Supplemental Evaluations	August 19, 2024, Rev. 1
009429	Radiological Source Supplemental Evaluations	August 19, 2024, Rev. 1
010195	RB Foundation Configuration Report Service Receipt Inspection Report	August 22, 2024, Rev. 1
	RCI – 95th%tile Consequences	Uploaded September 3, 2026

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	Reactivity Control & Shutdown System presentation	February 3, 2025
001357	Reactor System Preliminary Used Fuel Characteristics Analysis with VSOP Power Profile and 2D Spectrum	November 24, 2021, Rev. 1
007316	Reliability and Integrity Management Expert panel Charter	December 3, 2025, Rev. 1
	Reliability and Integrity Management Program Document	Uploaded September 8, 2025
007315	Reliability and Integrity Management Program Document	December 19, 2025, Rev. 1
	Reliability and Integrity Management Program Document	Uploaded September 8, 2025
	Representative Source Terms and the Influence of Reactor Attributes on Functional Containment in Modular High-Temperature Gas-Cooled Reactors	March 20, 2017
	Research and Development Presentation for NRC Audit	Uploaded February 19, 2026
	Research and Development Presentation for NRC Audit	Uploaded February 18, 2026
	Research and Development Presentation for NRC Audit March 19	Uploaded March 17. 2026, Rev. 1
002319	Scoping Preliminary Radiological Characteristics & Decay Heat Profile for Discharged Fuel Pebbles Report	November 14, 2023, Rev. 3
010187	Shield Structure Configuration Report Service Receipt Inspection Report	August 26, 2024, Rev. 1
005107	Software QA XSTERM Validation – Phase 1A Preliminary Exercise Report	June 9, 2022, Rev. 1
005107	Software QA XSTERM Validation – Phase 1A Preliminary Exercise Report	June 9, 2022, Rev. 1
002415	Software Validation Plan	March 30, 2026, Rev. 2
005774	Spatial Effects in AGREE-XE Transient Analysis Xe-100	September 23, 2022
	Subsurface Investigation Data - Rev 3, Part 1	Uploaded 1/29/2026
	Subsurface Investigation Data - Rev 3, Part 2	Uploaded 1/29/2026
QAP 3.2	Technical Analysis Procedure	November 17, 2023, Rev. 6
010335	Technical Note: Radioactive Waste Management System Design Reconfiguration Information	October 30, 2024, Rev. 1
013439	Uninsulated FUCH peak temperatures during DLOFC Design Information Transmittal	January 22, 2026, Rev. 2
	VP-110X Criticality Benchmark Suite Calculation	Uploaded April 16, 2026, Rev. 0

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001913	White Paper on Xe-100 Pebble Durability	August 18, 2021, Rev. 1
XE-C-CE-017	Wind Generating Wave Runup for Tsunami Total Water Level Calculation at Long Mott Generating Station	Rev. 0
	Wind-Generated Wave Runup for Tsunami Total Water Level Calculation at Long Mott Generating Station – Revision 0	Uploaded December 8, 2025
006594	X Energy LLC, Xe-100 Vendor Design Review – Focus Area 14 Out-of-Core Criticality Supplemental Submission	February 28, 2023, Rev. 1
000288	Xe-100 200MWth Preliminary Steady-State Core Design Report	February 17, 2022, Rev. 5
001269	Xe-100 AGREE-XE Preliminary Transient Analysis Report	February 17, 2022, Rev. 2
001269	Xe-100 AGREE-XE Preliminary Transient Analysis Report	February 17, 2022, Rev. 2
009324	Xe-100 Comprehensive Vibration Assessment Program (CVAP), Internal Report-Stage 1 Service Receipt Inspection Report	January 12, 2024, Rev. 1
010196	Xe-100 Conceptual Design of Reactor, Shield Structure and FHAB Foundations Service Receipt Inspection Report	September 6, 2024, Rev. 1
010194	Xe-100 Conceptual Design of Shield Structure Service Receipt Inspection Report	August 26, 2024, Rev. 1
002132	Xe-100 Control Rod Withdrawal Analysis-Licensing Basis Events	August 8, 2023, Rev. 2
010506	Xe-100 DLOFC Air Ingress Analysis Service Receipt Inspection Report	November 13, 2024, Rev. 1
007814	Xe-100 Evaluation of Radioisotopes Significant to Dose	July 14, 2023, Rev. 1
006177	Xe-100 Figure of Merit Uncertainty Methods	December 2, 2022, Rev. 1
007578	Xe-100 Flownex Analysis of Loss of Nuclear Island Cooling Water Events	July 24, 2023, Rev. 1
006558	Xe-100 Flownex Model of the RPS and IPS for Event Analysis	May 15, 2023, Rev. 1
010311	Xe-100 Fuel Handling Annex Building (FHAB) Configuration Report Service Receipt Inspection Report	September 4, 2024, Rev. 1
008247	Xe-100 GOTHIC Air-Cooled RCCS Model Report Service Receipt Inspection Report	October 19, 2023, Rev. 1
010099	Xe-100 GOTHIC Evaluation of Fuel Temperature Sensitivity to RCCS Performance Service Receipt Inspection Report	August 27, 2024, Rev. 1
008636	Xe-100 GOTHIC Steam Generator Tube Rupture Report Service Receipt Inspection Report	January 10, 2024, Rev. 2
012035	Xe-100 Graphite Core Assembly (GCA) Preliminary Figures of Merit (FoM) Identification Report	October 23, 2025, Rev. 2
012408	Xe-100 Graphite Core Assembly (GCA) Preliminary Reliability and Integrity Management (RIM) Strategy Report	January 5, 2026, Rev. 1
012408	Xe-100 Graphite Core Assembly (GCA) Preliminary Reliability and Integrity Management (RIM) Strategy Report	January 5, 2026, Rev. 1
000100	Xe-100 HALEU Pebble Reactor Fuel Product Specification	March 3, 2025, Rev. 5
000100	Xe-100 HALEU Pebble Reactor Fuel Product Specifications	March 3, 2025, Rev. 5

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000100	Xe-100 HALEU Pebble Reactor Fuel Product Specifications	December 22, 2025, Rev. 6
010800	Xe-100 Helium Service System (HSS) Concept Design Study Report	February 5, 2025, Rev. 1
002327	Xe-100 Integrated Decision-making Process Implementation Guide	July 18, 2022, Rev. 2
002327	Xe-100 Integrated Decision-making Process Implementation Guide	July 18, 2022, Rev. 2
002108	Xe-100 Integrated Decision-making Process Panel Charter	August 12, 2024, Rev. 6
002108	Xe-100 Integrated Decision-making Process Panel Charter	August 12, 2024, Rev. 6
004276	Xe-100 Large Depressurization Analysis-Licensing Basis Events	August 1, 2023, Rev. 3
003393	Xe-100 LBE Bounding Atmospheric Dispersion Factors Report	November 20, 2025, Rev. 5
007576	Xe-100 LEU Pebble Reactor Fuel Product Specifications	December 22, 2025, Rev. 4
006277	Xe-100 Licensing Basis Evaluation of Defense-in-Depth Adequacy	December 4, 2024, Rev. 2
007019	Xe-100 Licensing Basis: Functional Reliability and Capability Targets	November 6, 2024, Rev. 2
014222	Xe-100 Licensing Basis: Sensitivity Analysis to Identify Risk-significant PSFs	March 26, 2026, Rev. 1
004652	Xe-100 Long-Term Dose Evaluation Analysis Plan	January 31, 2023, Rev. 3
002138	Xe-100 Loss of Primary Flow Analysis-Licensing Basis Events	July 25, 2023, Rev. 3
004130	Xe-100 Mechanic Source Term for Long-Term Consequences Report – Preliminary	April 26, 2024, Rev. 5
004130	Xe-100 Mechanistic Source Term for Long-Term Consequences Report – Preliminary	April 26, 2024, Rev. 5
000982	Xe-100 Operating Experience Review Implementation Plan	December 10, 2021, Rev. 2
000982	Xe-100 Operating Experience Review Implementation Plan	December 10, 2021, Rev. 2
002139	Xe-100 Plant Preliminary – XHPB 60 EFPY Steady- State Radionuclide Inventory Report	May 26, 2022, Rev. 2
002139	Xe-100 Plant Preliminary – XHPB 60 EFPY Steady-State Radionuclide Inventory Report	June 20, 2023, Rev. 3
002139	Xe-100 Plant Preliminary – XHPB 60 EFPY Steady-State Radionuclide Inventory Report	May 26, 2022, Rev .2
002141	Xe-100 Preliminary – Flownex [Pebble Temperature] Screening Criteria (FSC)	June 22, 2023, Rev. 1
002141	Xe-100 Preliminary – Flownex [Pebble Temperature] Screening Criteria (FSC)	June 22, 2023, Rev. 2
002140	Xe-100 Preliminary – XHPB Liftoff Evaluation Report	January 23, 2025, Rev. 4
002131	Xe-100 Preliminary Flownex Safety Analysis of a Steam Generator Tube Rupture	July 30, 2024, Rev. 4
014188	Xe-100 Preliminary Long Mott Atmospheric Dispersion Factors	July 23, 2026,

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	Calculation	Rev. 2
007330	Xe-100 Preliminary Long Term Dose Calculation	September 17, 2024, Rev. 4
007330	Xe-100 Preliminary Long Term Dose Calculation	September 20, 2024, Rev. 4
003221	Xe-100 Preliminary Safety Analysis Flownex Base Model Report	July 18, 2023, Rev. 3
003221	Xe-100 Preliminary Safety Analysis Flownex Base Model Report	July 18, 2023, Rev. 3
003221	Xe-100 Preliminary Safety Analysis Flownex Base Model Report	July 19, 2024, Rev. 4
003221	Xe-100 Preliminary Safety Analysis Flownex Base Model Report	July 19, 2024, Rev. 4
001067	Xe-100 Preliminary Safety Classification of SSCs	November 7, 2024, Rev. 6
001067	Xe-100 Preliminary Safety classification of SSCs	November 7, 2024, Rev. 6
007164	Xe-100 Preliminary Scoping Dose Analysis Calculations for the Fuel Handling and Spent Fuel Storage Systems	August 8, 2023, Rev. 3
007164	Xe-100 Preliminary Scoping Dose Analysis Calculations for the Fuel Handling and Spent Fuel Storage Systems	August 8, 2023, Rev. 3
003736	Xe-100 Preliminary SGTR Dose Analysis Report	September 18, 2023, Rev. 2
001994	XE-100 Probabilistic Risk Assessment: Success Criteria Development	January 4, 2024, Rev. 3
001490	Xe-100 Protection Systems Trip Matrix Report	December 4, 2024, Rev. 5
001457	Xe-100 Radwaste Generation Calculation – Service Receipt Inspection Report	March 4, 2022, Rev. 1
005520	Xe-100 Reactor Core Preliminary Scoping Temperature Reactivity Feedback Coefficients Uncertainty Analysis Report	February 8, 2023, Rev. 1
010186	Xe-100 Reactor Support Structures Configuration Service Receipt Inspection Report	August 27, 2024, Rev. 1
008584	Xe-100 Reflector Conductivity Impact Evaluation	October 19, 2023, Rev. 1
009182	Xe-100 Regulatory Analysis Three Mile Island Regulations	December 18, 2023, Rev. 1
010945	Xe-100 Regulatory Guide 1.203 Project Execution Plan	December 10, 2025, Rev. 2
001279	Xe-100 Required Safety Functions and PRA Safety Functions	September 25, 2024, Rev. 6
002708	Xe-100 Requirements Management Plan	September 9, 2022, Rev. 2
007086	Xe-100 Safety Analysis Phenomena and Key Parameter Identification and Ranking Tables	May 12, 2023, Rev. 1
007086	Xe-100 Safety Analysis Phenomena and Key Parameter Identification and Ranking Tables	May 12, 2023, Rev. 1

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007086	Xe-100 Safety Analysis Phenomena and Key Parameter Identification and Ranking Tables	May 12, 2023, Rev. 1
003235	Xe-100 Safety Analysis Result Summary Feedback Report	December 1, 2023, Rev. 1
006367	Xe-100 SGTR Oxidation Analysis Flammability Limit Report – Service Receipt Inspection Report	March 14, 2023, Rev. 1
002136	Xe-100 Small and Medium Depressurization Licensing Basis Event Safety Analysis Calculation	July 16, 2024, Rev. 5
002136	Xe-100 Small and Medium Depressurization Licensing Basis Event Safety Analysis Calculation	July 16, 2024, Rev. 5
012414	Xe-100 Steam Generator Preliminary Modeling Study of Tritium Permeation	October 10, 2025, Rev. 1
003724	Xe-100 XDIS Preliminary Dose Methodology Report	March 7, 2023, Rev. 2
	XE-DOW_PSAR_SEC_02_04_02_Rev1c_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1C
	XE-DOW_PSAR_SEC_02_04_04_Rev1C_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1C
	XE-DOW_PSAR_SEC_02_04_05_Rev1C_SUBMITTAL PACKAGE CLEAN	Uploaded February 3, 2026, Rev. 1C
	XE-DOW_PSAR_SEC_02_04_10_Rev1C_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1C
	XE-DOW_PSAR_SEC_02_05_01_Rev1D_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1D
	XE-DOW_PSAR_SEC_02_05_03_Rev1D_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1D
	XE-DOW_PSAR_SEC_02_05_04_Rev1B_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1B
	XE-DOW_PSAR_SEC_02_05_05_Rev1C_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1C
	XE-DOW-PSAR_SEC_02_04_03_Rev1C_SUBMITTAL_PACKAGE_CLEAN	Uploaded February 3, 2026m, Rev. 1C
	XE-PLM PSAR CHAP 2.4.12 Rev 1D_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1D
	XE-PLM_PSAR_CHAP 2.4.13 Rev.1D_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1D
	XE-PLM_PSAR_CHAP 2.5.2 Rev1D_SUBMITTAL PACKAGE_CLEAN	Uploaded February 3, 2026, Rev. 1D

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	XSTERM Diffusion Coefficients	Uploaded February 2, 2026
007713	XSTERM v1.8.3 vs v1.8.2 Impact Assessment Report	October 6, 2023, Rev. 1
007774	XSTERM Validation – Phase 1B Exercise Report-AGR-2 Service Receipt Inspection Report	September 18, 2023, Rev. 1
007774	XSTERM Validation- Phase 1B Exercise Report-AGR-2 Service Receipt Inspection Report	September 18, 2023, Rev. 1
012178	XSTERM: Justification for Using AVR Data as Basis for Xe-100 Radionuclide Transport in the HPB	July 28, 2025, Rev. 1
010660	XSTERM: VSOP Data Requirements Report	October 11, 2024, Rev. 1
010660	XSTERM: VSOP Data Requirements Report	October 11, 2024, Rev. 1
004968	XSTERM: XSOL Software Theory Manual	September 11, 2024, Rev. 5
007777	XSTERM: XTDYN Software Theory Manual	April 9, 2024, Rev. 1