

## **1.6 GE Topical Reports and Other Documents**

Table 1.6-1 is a list of GE topical reports and any other reports or documents which are incorporated in whole or in part by reference in the Lungmen Nuclear Power Station (NPS) Preliminary Safety Analysis Report (PSAR).

**Table 1.6-1 Referenced Reports**

<b>Report No.</b>	<b>Title</b>	<b>PSAR Section No.</b>
22A4365AB	<i>Containment Loads Report (CLR), MarkIII Containment, Revision 4, January 1980 (Proprietary)</i>	3B
22A7007	<i>GESSAR II, 238 Nuclear Island, BWR/6 Standard Plant, General Electric Company, 22A7007, Docket No. STN 50-447 (Proprietary).</i>	3A 3B App. A
APED-5750	<i>Design and Performance of General Electric Boiling Water Reactor Main Steam Line Isolation Valves, General Electric Company, Atomic Power Equipment Department, March 1969.</i>	5.4
GEAP-5620	<i>Reynolds, M.B., Failure Behavior in ASTM A106B Pipes Containing Axial Through Wall Flaws, April 1968</i>	3E
GEAP-5716	<i>Reactor Primary Coolant System Rupture Study Quarterly Progress Report No. 14, July-September 1968, AEC Research and Development Report, December 1968.</i>	3E
GEAP-24098	<i>D.A. Hale, J.L. Yuen and T.L. Gerber, Fatigue Crack Growth in Piping and PRV Steels in Simulated BWR Water Environment, January 1978.</i>	3E
NEDO-10029	<i>An Analytic Study on Brittle Fracture of GE-BWR Vessel Subject to the Design Basis Accident, June 1969.</i>	5.3
NEDO-10299A	<i>H.T. Kim, Core Flow Distribution in a Modern BWR as Measured in Monticello, October 1976.</i>	4.4
NEDO-10527	<i>C.J. Paone and J.A. Woolley, Rod Drop Accident Analysis for Large Boiling Water Reactors, Licensing Topical Report, March 1972, Supplements 1 and 2.</i>	15.4
NEDO-10585	<i>F.G. Brutchscy, et al., Behavior of Iodine in Reactor Water During Plant Shutdown and Startup, August 1972.</i>	15.2
NEDO-10722A	<i>H.T. Kim and H.S. Smith, Core Flow Distribution in a Large Boiling Water Reactor as Measured in Quad Cities Unit 1, August 1976.</i>	4.4
NEDO-10871	<i>J.M. Skarpelos and R.S. Gilbert, Technical Derivation of BWR 1971 Design Basis Radioactive Material Source Terms, March 1973.</i>	11.1
NEDO-10958-A	<i>General Electric BWR Thermal Analysis Basis (GETAB): Data, Correlation and Design Application, January 1977.</i>	4.4
NEDE-10958-PA	<i>General Electric Thermal Analysis Basis Data, Correlation and Design Application, January 1977 (Proprietary).</i>	
NEDO-11209-04A	<i>GE Nuclear Energy Quality Assurance Program Description, Revision 8.</i>	17.1B
NEDE13426-P	<i>T. R. McIntyre, et. al., Mark III Conformatory Test Program -1/3 Scale Impact Tests - Test Series 5805, August 1975 (Proprietary).</i>	3B

**Table 1.6-1 Referenced Reports (Continued)**

<b>Report No.</b>	<b>Title</b>	<b>PSAR Section No.</b>
NEDO-20206	D.R. Rogers, <i>BWR Turbine Equipment N-16 Radiation Shielding Studies</i> , December 1973.	12.2
NEDO-20340	J. Carew, <i>Process Computer Performance Evaluation Accuracy</i> , June 1974.	4.3
NEDO-20533	W.J.Bilanin, <i>The GE Mark III Pressure Suppression Containment Analytical Model</i> , June 1974.	6.2
NEDO-20533-1	W.J.Bilanin, <i>The GE Mark III Pressure Suppression Containment Analytical Model</i> , Supplement 1, September 1975	6.2
NEDE-20566-P-A	<i>General Electric Company Analytical Model for Loss-of-Coolant Analysis in Accordance with 10CFR50, Appendix K</i> , September 1986 (Proprietary).	3.9 6.3
NEDM-20609-01	P.P. Stancavage and D.G. Abbott, <i>Liquid Discharge Doses LIDSR Code</i> , August 1976.	12.2
NEDO-20953A	J.A. Woolley, <i>Three-Dimensional BWR Core Simulator</i> , January 1977.	4A
NEDO-21052	F.J. Moody, <i>Maximum Discharge Rate of Liquid-Vapor Mixtures from Vessels</i> , General Electric Company, September 1975.	6.2
NEDO-21143-1	H. Careway, V. Nguyen, and P. Stancavege, <i>Radiological Accident-The CONACO3 CODE</i> , December 1981.	15.2 15.6 15.7
NEDO-21159	T.R. Marrero, <i>Airborne Releases from BWRs for Environmental Impact Evaluations</i> , March 1976.	11.1 12.2
NEDO-21159-2	T.R. Marrero, <i>Airborne Releases from BWRs for Environmental Impact Evaluations - Amendment 2 (Iodine-131)</i> , October 1978.	12.2
NEDE-21175-P	<i>BWR/6 Fuel Assembly Evaluation of Combined Safe Shutdown Earthquake (SSE) and Loss-of-Coolant Accident (LOCA) Loadings</i> , November 1976.	3.9
NEDE-21354-P	<i>BWR Fuel Channel Mechanical Design and Deflection</i> , September 1976.	3.9
NEDE-21471-1	L. Lasher, et. al, <i>Analytical Model for Estimating Drag Forces on Rigid Submerged Structures Caused by LOCA and Safety Relief Valve Ramshead Air Discharges Supplement for X-Quencher Air Discharge</i> , Supplement 1, October 1979.	3B
NEDO-21471	F. Moody, et. al, <i>Analytical Model for Estimating Drag Forces on Rigid Submerged Structures Caused by a LOCA and SRV Ramshead Air Discharges</i> , September 1977.	3B
NEDO-21506	<i>Stability and Dynamic Forces of the GE Boiling Water Reactor</i> , January 1977.	4.1

**Table 1.6-1 Referenced Reports (Continued)**

<b>Report No.</b>	<b>Title</b>	<b>PSAR Section No.</b>
NEDE-21514	<i>BWR Scram System Reliability Analysis</i> , December 1976, General Electric Company.	App. A
NEDE-21526	J. Dougherty, <i>SCAM - Subcompartment Analysis Method</i> , January 1976.	6.2
NEDE-21544-P	R.J Ernst, et. al., <i>Mark II Pressure Suppression Containment Systems: An Analytical Model of the Pool Swell Phenomenon</i> , December 1977.	3B App. A
NEDO-21778-A	<i>Transient Pressure Rises Affecting Fracture Toughness Requirements for Boiling Water Reactors</i> , December 1978.	5.3
NEDO-21985	<i>Functional Capability Criteria for Essential Mark II Piping</i> , September 1978, prepared by Battelle Columbus Laboratories for General Electric Company.	3.9
NEDE-22056	<i>Failure Rate Data Manual for GE BWR Components</i> , Rev. 2 January 1986, (Proprietary).	App. A
NEDE-23819	P.D. Knecht, <i>BWR/6 Drywell and Containment Maintenance and Testing Access Time Estimates</i> , May 1978.	12.4
NEDE-23996-1	P.D. Knecht, <i>Maintenance Access Time Estimates, BWR/6 Auxiliary and Fuel Buildings</i> , May 1979.	12.4
NEDE-23996-2	A. Chappori, <i>Maintenances Access Time Estimates, BWR/6 Radwaste Building</i> , May 1979.	12.4
NEDO-24057	Assessment of Reactor Internals Vibration in BWR/4 and BWR/5 Plants, November 1977.	3.9
NEDO-24057-P	<i>Assessment of Reactor Internals Vibration in BWR/4 and BWR/5 Plants</i> , November 1977 (Proprietary). Also NEDO-24057-P (Proprietary) Amendment 1, December 1978 and NEDO-24057-2P (Proprietary) Amendment 2, June 1979.	3.9
NEDE-24222	<i>Assessment of BWR Mitigation of ATWS, Volume II (NUREG-0460 Alternate No. 3)</i> , February 1981.	15E App. A
NEDE-24302-P	Mark II Containment Program, <i>Generic Chugging Load Definition Report</i> , April 1981 (Proprietary).	3B
NEDE-24326-1-P	<i>General Electric Environmental Qualification Program</i> , Proprietary Document, January 1983 (Proprietary).	3.9 3.11 App. A
NEDE-24351	D. Hale, <i>Fatigue Crack Growth in Piping and RPV Steels in Simulated BWR Water Environment Update</i> , July 1981 (Proprietary).	3E
NEDE-24679	<i>Study of Advanced BWR Features, Plant Definition/Feasibility Results</i> , Vol.III, Appendix Part G, October 1979 (Proprietary).	12.4

**Table 1.6-1 Referenced Reports (Continued)**

<b>Report No.</b>	<b>Title</b>	<b>PSAR Section No.</b>
NEDO-24708	P. W. Marriot, <i>Additional Information Required for NRC Staff Generic Report on Boiling Water Reactors</i> , August 1979.	1A 7.3
NEDE-24988-P	<i>Analysis of Generic BWR Safety/Relief Valve Operability Test Results</i> , October 1981 (Proprietary).	1A
NEDE-25100-P	<i>Caorso SRV Discharge Tests Phase I Test Report</i> , May 1979 (Proprietary).	3B
NEDE-25118	Mark II Containment Supporting Program, <i>Caorso SRV Discharge Tests Phase II ATR</i> , August 1979 (Proprietary).	3B
NEDO-25132A	E. W. Bradley, <i>Gamma &amp; Beta Dose to Man from Noble Gas Release to the Atmosphere GEMAN Code</i> , April 1980.	12.2
NEDO-25153	L. E. Lasher, <i>Analytical Model for Estimating Drag Forces on Rigid Structures Caused by Steam Condensation and Chugging</i> , July 1979.	3B
NEDE-25250	A. Javid, <i>Generic Criteria for High Frequency Cutoff of BWR Equipment</i> , January 1980. (Proprietary)	3.9
NEDO-25257	E. W. Bradley and V. D. Nguyen, <i>Radiation Exposure from Airborne Effluents-the REFAE Code</i> , July 1980.	12.2
NEDE-25273	F. T. Dodge, <i>Scaling Study of the General Electric Pressure Suppression Test Facility - Mark III Long Range Program, Task 2.2.1</i> , SwRI, March 1980 (Proprietary).	3B
NEDO-30130-A	<i>Steady-State Nuclear Methods</i> , May 1985.	4.3
NEDE-30637	B.M. Gordon, <i>Corrosion and Corrosion Control in BWRs</i> , December 1984.	5.2
NEDE-30640	Evaluation of Proposed Modification to the GESSAR II Design, Class III, June 1984 (Proprietary).	App. A
NEDO-30832	J.E. Torbeck, <i>Elimination of Limit on BWR Suppression Pool Temperature for SRV Discharge With Quenchers</i> , December 1984.	3B
NEDE-31096-A	GE Licensing Topical Report ATWS Response to NRC ATWS Rule 10CFR 50.62, February 1987.	App. A
NEDE-31152-P	<i>GE Fuel Bundle Designs</i> , Revision 6, April 1997 (Proprietary).	4.2
NEDC-31336	Julie Leong, <i>General Electric Instrument Setpoint Methodology</i> , October 1986 (Proprietary).	7.3
NEDC-31393	<i>ABWR Containment Horizontal Vent Confirmatory Test, Part I</i> , March 1987. (Proprietary)	3B
NEDC-31858-P	Louis Lee, <i>BWROG Report for Increasing MSIV Leakage Rate Limits and Elimination of Leakage Control System</i> , October 1991 (Proprietary).	15.6

**Table 1.6-1 Referenced Reports (Continued)**

<b>Report No.</b>	<b>Title</b>	<b>PSAR Section No.</b>
NEDE-31906-P	A. Chung, <i>Laguna Verde Unit I Reactor Internals Vibration Measurement</i> , January 1991 (Proprietary).	7.4
NEDO-31960	Glen Watford, <i>BWR Owners' Group Long-Term Stability Solutions Licensing Methodology</i> , June 1991.	4.4
NEDC-32267-P	ABWR Project Application Engineering Organization and Procedures Manual, December 1993 (Proprietary).	17.1