

Table of Contents

Advanced Gas Reactor Fuel Development and Qualification Program: Project Execution Plan, PLN-1484.

Creating Validated TRL and TDRMs for Critical Systems, Subsystems, and Components, INL/EXT-08-14842, September 2008.

Design Features and Technology Uncertainties for the Next Generation Nuclear Plant, INEEL/EXT-04-01816, June 2004.

Engineering Services for the Next Generation Nuclear Plant (NGNP) with 750°C Reactor Outlet Helium Temperature, Prepared by General Atomics, PC-000586, May 2009.

Graphite Technology Development Plan, PLN-2497, Rev. 0, October 2007.

HTGR Integration Studies, INL/EXT-10-17997.

Integration of High Temperature Gas-Cooled Reactors into Industrial Process Applications, INL/Ext-09-16942 Rev. 0, October 2009.

Integration of High Temperature Gas-Cooled Reactors into Industrial Process Applications, INL/Ext-09-16942, Rev. 1, February 2010.

Maintaining a Technology-Neutral Approach to Hydrogen Production Process Development through Conceptual Design of the Next Generation Nuclear Plant, INL/EXT-08-14193, May 2008.

Mechanistic Source Terms White Paper, INL/EXT-10-17997, July 2010.

Next Generation Nuclear Plant Graphite Technology Development Plan, INL/EXT-07-13165, September 2007.

Next Generation Nuclear Plant High Level Functions and Requirements, INEEL/EXT-03-01163, September 2003.

Next Generation Nuclear Plant Intermediate Heat Exchanger Materials Research and Development Plan, PLN-2804, April 2008.

Next Generation Nuclear Plant Material Research and Development Program Plan, INEEL/EXT-04-02347, Rev. 1, September 2004.

Next Generation Nuclear Plant Methods Research and Development Technical Program Plan, PLN-2498, Rev. 1, September 2008.

Next Generation Nuclear Plant Methods Technical Program Plan, Idaho National Laboratory, PLN-2498, Rev. 0, October 2007.

Next Generation Nuclear Plant Methods Technical Program Plan, INL/EXT-06-11804, January 2007.

Next Generation Nuclear Plant Pre-Conceptual Design Report, INL/Ext-07-12967, Rev. 1, November 2007.

Next Generation Nuclear Plant Preliminary Project Management Plan, INL/EXT-05-00952, March 2006.

Next Generation Nuclear Plant Project Technology Development Roadmaps: The Technical Path Forward, INL/EXT-08-15148, Rev. 0, January 2009.

Next Generation Nuclear Plant Project Technology Development Roadmaps: The Technical Path Forward for 750-800°C Reactor Outlet Temperature, INL/EXT-09-16598, Rev. 0, August 2009.

Next Generation Nuclear Plant Reactor Pressure Vessel Materials Research and Development Plan, PLN-2803, April 2008.

Next Generation Nuclear Plant Report on Technology Readiness Levels & Design Readiness Levels for NNGNP Steam Production at 750-800°C, Rev. 2, April 2009.

NGNP and Hydrogen Production Preconceptual Design Report, NNGNP-ESR-RPT-001, Rev. 1, June 2007.

NGNP Engineering White Paper; Licensing & Permitting Special Study, INL/EXT-07-12726, May 2007.

NGNP Fuel Qualification White Paper, INL/EXT-10-17686, July 2010.

NGNP Graphite Selection and Acquisition Strategy, ORNL/TM-2007/153, September 2007.

NGNP Hydrogen Technology Down-Selection: Results of the Independent Review Team (IRT) Evaluation, R-6917-00-01, Rev. 0, July 31, 2009.

NGNP Licensing Plan, PLN 3202, June 2009.

NGNP Project Requirements Management Implementation Plan, PLN-3206, June 2009.

NGNP Senior Advisory Board Recommendations on Plant Configuration, Functional and Operational Requirements, October 2008 and July 2009.

NGNP System Requirements Manual Document 911102, Rev. 0, March 2007.

NGNP Systems Requirements Manual, INL/EXT-07-12999, Rev. 3, September 2009.

NGNP Technology Development Road Mapping Report, Prepared by Areva, TDR-3001031-003, September 2009.

NGNP with Hydrogen Preconceptual Design Studies Report: Executive Summary, Document No. 12-9052076-000, June 2007.

NGNP with Hydrogen Production Preconceptual Design Studies Report, Document No. 12-9051191-001, June 2007.

PCDRs Reactor Type Comparison Studies, INL/EXT-07-12729.

Preconceptual Engineering Services for the Next Generation Nuclear Plant (NGNP) with Hydrogen Production: Executive Summary Report – NGNP and Hydrogen Production Preconceptual Design Studies Report, PC-000544, Rev. 0, July 10, 2007.

Risk Management Plan for Next Generation Nuclear Plant Project, PLN-3247.

Survey of HTGR Process Energy Applications, MPR-3181, Rev. 0, May 2, 2008.

Technical Risk Management for the NGNP Project, INL/EXT-07-13148, September 2007.