

LISTING OF HALDEN REACTOR PROJECT REPORTS FOR 2015–2017

REPORTS FROM THE FUELS AND MATERIALS PROGRAM 2015–2017	
Report No.	Report Title
HWR-931	PIE Results from a High Burnup (90 MWd/kgU) PWR Rod Subjected to a High Temperature Transient in the LOCA Test IFA-650.9
HWR-1019	PIE on the LOCA Test of High Burn-up PWR Fuel in IFA-650.10
HWR-1020	PIE on the LOCA Test of VVER Fuel (56 MWd/kgU) in IFA-650.11
HWR-1088	Post Irradiation Examination (PIE) of the High Burnup UO ₂ Fuel Disk from IFA-655.5 and 655.6
HWR-1094	Post Irradiation Examination (PIE) on the Test Rods from the Gadolinia Fuel Test in IFA-681
HWR-1098	Post Irradiation Examination of IFA-708 Fuel Rods
HWR-1141	Monte Carlo Uncertainty and Sensitivity Analysis of the Power Determination in a Halden Test Rig Containing Multiple Rods
HWR-1144	PIE on High Burnup BWR Fuel from LOCA Test IFA-650.12
HWR-1147	Minutes of the HRP-WGFS Workshop on Fuel Fragmentation, Relocation and Dispersal
HWR-1148	Summary of HRP/CEA Thermal-Hydraulic Analyses on the PWR Cladding Corrosion Tests IFA-708 and IFA-785
HWR-1150	Final Report on the PWR Crack Growth Rate Investigation IFA-772
HWR-1153	Post Irradiation Examination (PIE) on the VVER Fuel Segment from the FGR Test in IFA-720.1
HWR-1157	PIE on the Coated Fuel Rods from IFA-774
HWR-1158	The Overpressure Test on PWR M-MDA-SR Cladding in IFA-610.13
HWR-1159	In-Pile Results from the FGR Tests on MOX Fuel Disks in IFAs 629.7 and 629.8
HWR-1161	In-Pile Results from the Fission Gas Release Mechanisms Study in IFA-716 after Final Unloading
HWR-1162	Analysis of the In-Pile Fuel Thermal Conductivity Degradation Test IFA-744
HWR-1163	IFA-650.15 LOCA TEST: In-Pile Results
HWR-1164	Inspection of LOCA Test Rod IFA-650.15 Using Gamma Emission Tomography
HWR-1165	Non-destructive Determination of the Rod-wise Fission Gas Release Fraction Using Gamma Emission Tomography on Complete Fuel Assemblies
HWR-1189	Analysis and Modelling of Halden Cladding Creep Experiments
HWR-1195	Results from the First Interim Inspection of the PWR Cladding Corrosion Test IFA-785
HWR-1196	Summary of Results from Integrated Time-to-Failure Study IFA-733

HWR-1197	Summary of Observed Fission Gas Release Behaviour in Selected Experiments Performed at the Halden Reactor Project
REPORTS FROM THE MAN-TECHNOLOGY-ORGANIZATION PROGRAM 2015–2017	
Report No.	Report Title
HWR-1082, Revision 2	Team Self-Assessment Tool (TESA)
HWR-1107	An Investigation of Teamwork Requirements across Operational States in Nuclear Power Plant Crews—Preliminary Results
HWR-1110	Methods for Generating 3D Models
HWR-1111	Assessment of Means for Requirements Elicitation—Completeness Traceability
HWR-1120	Improving Scenario Analysis for Human Reliability Analysis
HWR-1122	Results from the 2013 Resilient Procedure Use Study with Swedish Operators
HWR-1123	A HAMMLAB HRA Data Collection with U.S Operators
HWR-1125	Development and Evaluation of the SCORE Measure for Control Room Validation and Team Evaluation
HWR-1126, Revision 2	Modernisation Experiences in Nuclear Power Plants' Control Rooms
HWR-1130	Pilot Test of Micro-Task Method for Evaluating Control Room Interfaces
HWR-1132	Situation Awareness in Diagnosis and Reasoning of Process Disturbances: The Scenario Understanding Concept and Measures
HWR-1135	Product- and Process-Oriented Failure Analysis: Method Combinations in a Case
HWR-1139	Safety Demonstration and Justification of DI&C Systems in NPPs—Future Directions
HWR-1142	Outage Control Centres—Tools for Improved Team Performance
HWR-1144	Using Virtual Mock-ups to Support a Human-Centred Control Room Design Process
HWR-1145	Improving Scenario Analysis for HRA: Handbook of Good Practices
HWR-1146	Workshop Meeting on Accident Management and Operation
HWR-1149	Extracting the Assurance Argument from an Interim Safety Demonstration—A Case Study from the Nuclear Field (Part 1: Argument Comprehension)
HWR-1169	Micro Task Evaluation of Innovative and Conventional Process Display Elements at PWR Training Simulator
HWR-1175	Review of the SCORE Measure for the Assessment of Safe Control Room Operation: A HAMMLAB Study of the Content Validity and Usability
HWR-1177	Next Generation Outage Control Centres: Identifying Team Performance Factors for Technology Supported Clearances

HWR-1178	Improving HRA Practices: Results from the Pilot Case Study
HWR-1179	Feasibility Study of an Interactive Large Screen Concept for Automated Plant Startup
HWR-1181	Human-System Interfaces for Near-Term Applications: Documentation of the Design Concept
HWR-1182	Petit-Portable Electronic Procedure System for Field Operators
HWR-1183	The Role of Safety and Security as Quality Factors in Quality Models
HWR-1184	Digital I&C Assurance: Systematic Literature Review
HWR-1185	Parameter Estimation Using a Combination of Data Reconciliation and Empirical Methods for Turbine Cycle Components
HWR-1186	Diagnostic Decision Support: The Continued Development and Practical Application of the MFM Suite and the MFM Viewer
HWR-1187	A Survey of the Application of Big Data Analysis for Condition Based Maintenance at NPPs
HWR-1188	URUT Testing Handheld Procedures—Findings from the Pilot Study
HWR-1191	Applying MFM to the PWR Analysis: The Experimental Results and Preliminary Conclusions
HWR-1193	Improving Safety Arguments for Better Comprehension—Lessons Learned from a Case Study in the Nuclear Field
HWR-1194	A Reanalysis of the Work Practice Experiments in HAMMLAB (2009–2014)

BOLD - Relevant reports for NRC research and regulatory programs.