



BWROG Technical Products Index

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BWROG Technical Products 2022

Numbers	TAN	Committee	Revision	Title
BP22-1-001	1	IM Program	0	2022 Assist Visit - RP ALARA
TP20-1-008	8	EPC	2	SAMG Computer Based Training (CBT) Program Description
TP20-4-008	8	EPC	2	Development of CBT Program for BWR Severe Accident Guidance
TP21-5-008	8	EPC	1	KT&R - Committee Products Long Range Maintenance Planning
TP22-1-009	9	OM	0	Outage Management Gap Data 2022
TP22-1-028	28	RCRC	0	Guidelines for Excellence Section 5.0 B: Bases for Monitoring of Reactivity Management Issues Rev 2
TP22-2-028	28	RCRC	0	Guidelines for Excellence - Section 5.0: Monitoring of Reactivity Management Issues (Revision 20)
TP22-3-028	28	RCRC	0	Guidelines for Excellence, Section 3.0: Station Reactor Engineering Training Programs (Revision 14)
TP22-1-030	30	LC	0	Actions to be Prepared to Accept Biodiesel for Nuclear Station Emergency Diesel Generators
TP19-1-062	62	RP/ALARA	2	Radiation Protection New and Alternative Technology Information Guidelines
TP17-2-112	112	VTRG	2	Motor Operated Valve Program Handbook
TP17-3-112	112	VTRG	3	Motor Operated Valve Backseating Practices
TP22-1-143	143	IRIR	0	U.S. NRC IDHEAS-ECS Comparison with the EPRI HRA Calculator Approach
TP22-2-143	143	IRIR	0	New PRA Analyst On-Boarding Guide
TP22-1-186	186	Refueling Perf	0	Refueling Site Manager Handbook
TP22-1-205	205	RACMC	1	Best Practice Guidelines FUEL VENDOR ENGINEERING OVERSIGHT (Original BWROG-TP-12-002 Rev 0)
TP22-2-205	205	RACMC	0	Best Practice Guideline Control Rod Drop Accident Methodology Implementation
TP22-1-231	231	CRD Perf	0	CRD Verification of HCU Isolation Integrity
TP22-1-325	325	RWCUSI	0	RWCU Engineer's Handbook
TP22-1-333	333	BWR I&C Maint	0	Measuring and Test Equipment (M&TE) Information Guide
TP22-1-336	336	FWSI	0	Lost Generation due to Pump Performance in the BWR Feedwater System
TP17-2-339	339	TGASI	3	HPC Learning Documents (Implementation and Access Guideline)
TP22-1-363	363	RRSI	0	Reactor Recirculation System Engineer's Handbook (Previously BWROG-TP-05-11 rev3)
TP22-1-386	386	BWR Parts Obs	0	CR115G Limit Switch Product Announcement - Non-Safety
TP22-2-386	386	BWR Parts Obs	0	SFF Digital Frequency Relays Product Announcement - Non-Safety
TP22-1-389	389	ECCS SI	0	HPCI/RCIC Low Pressure Frequency Testing Recommendations
TP22-1-400	400	ASD/VFD Performance	0	PIM - ASD Vendor Provided Response Report
TP22-1-402	402	50.69 Committee	0	10CFR50.69 Alternative Treatment Plan Guidance for RISC-3 Pressure Switches
TP22-2-402	402	50.69 Committee	0	10CFR50.69 Alternative Treatment Plan Guidance for RISC-3 Transmitters
TP22-3-402	402	50.69 Committee	0	10CFR50.69 RISC-3 Procurement Guidelines for Pressure Transmitters
TP22-4-402	402	50.69 Committee	0	Industry Template for Alternative Treatments for Mechanical and Hydraulic Snubbers
TP22-1-403	403	Reg Guide 1.183 Revision AST	0	Best Practice Guide Updated Methodology for the Fuel Handling Accident Radiological Analysis
TP22-1-405	405	Ion Exchange Workshop 2022	0	Workshop Materials

BWROG Technical Products 2021

Number	TAN	Committee	Revision	Description
TP21-1-001	001	IM Program	0	Restart After Long Shutdown (RALS) Considerations
TP21-1-008	008	EPC	0	Generic Validation of EPG/SAG Rev. 4 SAGs and Plant Specific Validation of SAMGs
TP21-2-008	008	EPC	0	Conversion of EPGs SAGs to Plant Specific Technical Guidelines for BWR 2-6
TP21-3-008	008	EPC	0	Acceptability of Cooldown Transients Exceeding 100 F/hr during Emergency Conditions
TP21-1-028	028	RCRC	0	Section 12:0: Programmatic Controls for Reactivity Changes (Revision 13)
TP21-1-030	030	LC	0	TSTF-554r1, "Revise Reactor Coolant Pressure Leakage Requirements"
TP21-2-030	030	LC	0	TSTF-GG-21-01r0, Technical Requirements Manual and Operational References Format and Content Guidelines
TP21-3-030	030	LC	0	TSTF-580R0, "Provide Exception from Entering Mode 4 With No Operable RHR [Residual Heat Removal]"
TP21-1-143	143	IRIR	0	Large Early Release Frequency (LERF) Modeling Approach
TP21-1-205	205	RACMC	4	Best Practice Guideline - Reload Fuel Design Change Activities
TP21-1-231	231	CRD Perf	0	Scram Solenoid Pilot Valve Optimization
TP21-1-333	333	BWR I&C Maint	1	Rosemount Obsolescence Mitigation Guideline - Rosemount Model 1153 Series Pressure Transmitters & Mod
TP21-1-336	336	FWSI	0	Lost Generation due to Valve Performance in the BWR Feedwater System
TP21-1-362	362	BWRWC	0	Securing Zinc Injection During On-Line NobleChem (TM) Applications
TP21-1-376	376	BWR6 RCIS	0	KKL RC&IS Phase 1 Installation Lessons Learned
TP21-1-396	396	50.69 P&P	0	50.69 Fleet CRD System Generic Categorization
TP21-2-396	396	50.69 P&P	0	10CFR50.69 Alternative Treatment Plan Guidance for RISC-3 Pneumatically Operated Valves (AOV)

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Number	TAN	Committee	Revision	Description	Comments
TP20-1-396	396	50.69 P&P	0	BWR Sole Means Guidance	
TP20-2-396	396	50.69 P&P	0	50.69 Fleet RHR System Generic Categorization	
TP20-3-396	396	50.69 P&P	0	10CFR50.69 Alternative Treatment Plan Guidance for RISC-3 Motor Operated Valves	
TP20-1-397	397	50.69 Supply Chain	0	10CFR50.69 RISC-3 Procurement Guidelines for Large Motors	
TP20-1-400	400	ASD/VFD Performance	0	ASD/VFD Best Practices	
TP20-1-333	333	BWR I&C Maint	0	Surveillance Testing Interval (STI) Frequency Extension Successes'	
TP20-1-386	386	BWR Parts Obs	0	Comparison Testing of Original and Reverse Engineered EGM and RGSC	
TP20-2-386	386	BWR Parts Obs	0	CR120E Relay Product Announcement Non-Safety	
TP20-3-386	386	BWR Parts Obs	0	CR122A Relay Product Announcement Non-Safety	
TP20-4-386	386	BWR Parts Obs	0	CR120BC/BL Relay Product Announcement Non-Safety	
TP20-5-386	386	BWR Parts Obs	0	CR151B Terminal Board Product Announcement	
TP20-1-231	231	CRD Perf	0	Guidelines for Control Rod Guide Tube Vacuuming (Previously BWROG TP-11-029 rev 1	
TP20-1-008	8	EPC	1	SAMG Computer Based Training (CBT) Program Description	Revision
TP20-2-008	8	EPC	0	Validation of El-Wakil as Best Estimate Method for Use in EPG/SAG/TSG Calculations	
TP20-3-008	8	EPC	0	EPG/SAG Overview Document	
TP20-4-008	8	EPC	1	Development of CBT Program for BWR Severe Accident Guidance	Revision 1
TP20-5-008	8	EPC	0	NEI 14-01 Cross Reference Document	
TP20-6-008	8	EPC	0	IAEA SSG-54 EPG/SAG Rev 4 Cross Reference Guide	
TP20-1-375	375	Fukushima	0	Out of Service Time Limits for Hardened Containment Venting System (HCVS) Flow Path	
TP20-1-336	336	FWSI	0	DOE GAIN Project - RAD Hardened Level Sensor Request for Assistance	
TP20-1-143	143	IRIR	0	EPG/SAG Revision 4 Effects on PRA	
TP20-2-143	143	IRIR	0	Recommended PRA Treatment of Manual Shutdown Initiating Events	
TP20-3-143	143	IRIR	0	Review of BWR Component Reliability Data Issues	
TP20-1-030	30	LC	0	TSTF-568, "Revise Applicability of BWR4 TS 3.6.2.5 and TS 3.6.3.2	
TP20-2-030	30	LC	0	TSTF-541, "Add Exceptions to Surveillance Requirements for Valve and Dampers Locked in the Actuated	
TP20-3-030	30	LC	0	TSTF-IG-20-02, "Guidance on Evaluating One Time Surveillance Frequency Changes Under the Sureillance	
TP20-4-030	30	LC	0	TSTF-IG-20-01r0 Development of TSTF-505R2, "Provide Risk-Informed Extended Completion Times"	
TP20-5-030	30	LC	0	TSTF-582r0, "RPV WIC Enhancements	

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Number	TAN	Committee	Revision	Description	Comments
TP20-6-030	30	LC	0	TSTF-542, "Reactor Pressure Vessel Water Inventory Control " (RPV-WIC), and TSTF-582, "RPV-WIC Enhancement	Original Tech Product - TP17-1-390, Rev 1
TP20-1-338	338	Offgas SI	0	GAIN BWR Offgas Study Effect of Charcoal on Kr and Xe Delay	
TP20-2-338	338	Offgas SI	0	Knowledge Transfer & Retention - System Design and Supporting Info	
TP20-1-009	9	OM	0	Comparison Matrix of Drone Use	
TP20-1-391	391	OSER	0	Operating Experience Communication	
TP20-1-205	205	RACMC	0	Best Practice Guidelines	
TP20-2-205	205	RACMC	2	Best Practice Guidelines - Spent Nuclear Fuel Dry Cask Storage	
TP20-1-384	384	RCIC EOB	0	RCIC ExOB / TTEXOB Project Reports	
TP20-1-028	28	RCRC	0	BWR Common Response to Reactivity Transients and Equipment Malfunctions	
TP20-1-186	186	Refueling Perf	0	Refueling Specialty Tooling Matrix	
TP20-1-062	62	RP/ALARA	0	Guidebook	
TP20-1-363	363	RRSI	0	BWROG Reactor Recirculation System Training Course (Previously BWROG-TP-09-014 rev0)	
TP20-1-325	325	RWCUSI	0	Heat Exchanger Health / Monitoring	
TP20-1-003.B	003.B	SRV TP Update with PSEG OE Specific Topic	1	SRV Seat Leakage and Set Pressure Drift Mitigation Guidance	
TP20-2-003.B	003.B	SRV TP Update with PSEG OE Specific Topic	1	BWR Safety Relief Valve Leakage Reduction	
TP20-3-003.B	003.B	SRV TP Update with PSEG OE Specific Topic	1	Guide for Addressing Leaking Safety/Relief Valves in Boiling Water Reactors	
TP20-1-399	399	Stator Cooling Water Workshop	0	Workshop Materials	
TP20-1-387	387	Target Rock SRV	0	Target Rock 2 Stage SRV Leakage Best Practices	
TP20-1-112	112	VTRG	0	Self Assessment Guide for NRC Power Operated Valve Inspections (NRC IP71111.21N.02)	
TP20-2-112	112	VTRG	0	Predicting Capability and Stroke Time in DC Motor-Operated Valves (MPR-2093r3) and Supporting Document	

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Number	TAN	Committee	Revision	Description	Comments
TP19-1-396	396	50.69 P&P	0	Shutdown Risk Guidance	
TP19-2-396	396	50.69 P&P	0	Industry Template for Alternative Treatments for Mechanical and Hydraulic Snubbers	
TP19-1-333	333	BWR I&C Maint	0	Value Based Maintenance (VBM) Good Practices	
TP19-1-386	386	BWR Parts Obs	0	CR127 Switch Product Announcement	
TP19-2-386	386	BWR Parts Obs	0	CR2820 Relay Product Announcement - Safety	
TP19-3-386	386	BWR Parts Obs	0	CR2820 Relay Product Announcement - Non-Safety	
TP19-4-386	386	BWR Parts Obs	0	EGM and RGSC Reverse Engineering and Procurement Guidelines	
TP19-1-376	376	BWR6 RCIS	2	Troubleshooting Guide (GEH 005N4400)	
TP16-1-362	362	BWRWC	2	On-Line NobleChem™ Injection Quill: Pilot Plant Hatch 1 Status Update	Rev. 2; added a short discussion of two fuel channel fasteners removed from Hatch Unit 1 (pre-and post quill). Added reference to EPRI's BWRVIP-314 document for the detailed fastener analysis results.
TP19-1-231	231	CRD Perf	0	BWROG CRD System Training	TP issued on 12/6/2019
TP19-1-389	389	ECCS SI	0	RCIC and HPCI Unavailability	
TP19-2-389	389	ECCS SI	1	HPCI Steam Admission Valve Leakage	Edited document and updated Attachment 1 with recent O/E
TP18-2-008	8	EPC	1	2018 & 2019 Issues	Added 2019 -Updated to include issues addressed through Oct 2019
TP19-1-008	8	EPC	0	Validation of El-Wakil as Best Estimate Method for Use in EPG/SAG/TSG Calculations	Initial Issuance
TP19-2-008	8	EPC	0	EPG/SAG Program Guidance	Initial Release
TP19-3-008	8	EPC	0	EPG/SAG Writer's Guide	Initial Release
TP19-4-008	8	EPC	0	EPG/SAG Verification & Validation Guidance	Initial Release
TP19-5-008	8	EPC	0	Assessment of the Effect of BWROG EPG/SAG Revision 4 on NEI-99-01 Revision 6 Implementation	
TP19-6-008	8	EPC	0	EPG/SAG Rev 4 Generic 10CFR50.59 Evaluation	Initial Issuance
TP19-1-375	375	Fukushima	0	Demonstration with Other Post Fukushima Measures	
TP19-1-336	336	FWSI	1	2018 Industry Trends - Feedwater & Condensate Systems	
TP19-1-336	336	FWSI	0	2018 Industry Trends - Feedwater & Condensate Systems	
TP19-2-336	336	FWSI	0	Improving the Performance of the BWR Feedwater Systems	
TP19-3-336	336	FWSI	0	Improving the Performance of the BWR Feedwater Systems	Note: This document number was used vs. TP19-2-336 (duplicate).

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Number	TAN	Committee	Revision	Description	Comments
TP19-1-394	394	Ion Exchange Workshop	0	Workshop Materials	
TP19-1-143	143	IRIR	0	Human Reliability Analysis (HRA) Common Practices	
TP19-2-143	143	IRIR	0	PRA Modeling of FLEX Equipment	
TP19-3-143	143	IRIR	0	PRA Modeling Guidance on Recovery of Long-Term Decay Heat Removal	
TP19-4-143	143	IRIR	0	FLEX HRA Using EPRI Report	Initial
TP19-1-030	30	LC	0	TSTF-565, "Revise the LCO 3.0.2 and LCO 3.0.3 Bases"	
TP19-2-030	30	LC	0	TSTF-563, "Revise Instrument Testing Definitions to Incorporate the Surveillance Frequency Control	
TP19-3-030	30	LC	0	TSTF-557, "Spent Fuel Storage Rack Neutron Absorber Monitoring Program"	
TP19-4-030	30	LC	0	TSTF-566, "Revise Actions for Inoperable RHR Shutdown Cooling Subsystems	
TP19-5-030	30	LC	0	Handbook	
TP19-1-338	338	Offgas SI	0	Recommendations for Offgas Chiller Replacements	
TP19-1-009	9	OM	0	Outage Control Rod Drive Activity Scheduling Best Practices	
TP19-1-205	205	RACMC	0	Best Practice Guidelines - Load Following	
TP19-2-205	205	RACMC	1	Best Practice Guidelines - Operational Parameter Monitoring & Validation	
TP19-1-384	384	RCIC EOB	0	Terry Turbine Expanded Operating Band (TTEXOB) Project Reports	
TP19-1-028	28	RCRC	12	Guidelines for Excellence Section 7.0: Fuel Integrity Program (Revision 12)	
TP19-1-186	186	Refueling Perf	0	BWR Refueling Schedule Milestone Windows Best Practices	
TP19-1-062	62	RP/ALARA	1	Radiation Protection New and Alternative Technology Info Guidelines	
TP19-2-062	62	RP/ALARA	0	Bellows & Cavity Decontamination	
TP19-1-393	393	RPS MG Set	0	RPS MG Set Voltage Regulator Troubleshooting Guide	
TP19-2-393	393	RPS MG Set	0	RPS MG Set Voltage Regulator Obsolescence Assessment	
TP19-1-363	363	RRSI	1	Motor Generator Set, VFD & Flow Control Plants - Common Preventive Maintenance (PM) Matrix	
TP19-1-325	325	RWCUSI	0	Chemistry Parameters - Overview for System Engineers	
TP19-1-387	387	Target Rock SRV	0	Static Autoclave Screening Test of Pilot and Seat Materials	
TP19-2-387	387	Target Rock SRV	0	Plasma Enhanced Magnetron Sputtering (PEMS), Thicker Platinum Coating Testing and Valve Lifts Result	

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Number	TAN	Committee	Revision	Description	Comments
TP19-1-339	339	TGASI	1	Generator Stator Winding Lay-Up Guidelines	
TP16-1-112	112	VTRG	5	Recommendations to Resolve Flowserve 10CFR Part 21 Notification Affecting Anchor Darling Double Disc	Original Release "BWROG-TP-13-006" Revision 1 – Update to incorporate Operating Experience based on industry inspections - Addendum 1. New BWROG document tracking number. Rev 2 was assigned TP17-1-112 (before CR)
TP17-1-112	112	VTRG	2	Recommendations_Flowserve 10CFR Part 21 Notif. Anchor Darling DD Disc Gate Valve Wedge Pin	Rev 0 - BWROG-TP-13-006 Rev 1 - TP-16-1-112 NOTE: This TP number is only used for this revision; however, the F78TP number being used going forward is TP16-1-112 only.
TP19-1-112	112	VTRG	2	Guideline for Monitoring and Evaluating Motor Operated Valve Stem Nut Wear (TP-07-004)	Revision 2 is to align with latest revision of original TP number BWROG-TP-07-004 Revision 1

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Number	TAN	Committee	Revision	Description	Comments
TP18-1-392	392	50.69 Committee	0	Categorization Focus Group Generic System Boundary Determination Guidance	
TP18-2-392	392	50.69 Committee	0	Categorization Focus Group - Detailed Structures Systems and Components (SSCs) Categorization for 10	
TP18-1-003.B	003.B	50.69 Working Group	0	Categorization Focus Group - Detailed Structures Systems and Components (SSCs) Categorization for 10	
TP18-1-333	333	BWR I&C Maint	0	Traveling Incore Probe (TIP) System Maintenance, Operation and Good Practices Guidelines	
TP18-2-333	333	BWR I&C Maint	0	RPS Test Box Use - Event Evaluation	
TP18-3-333	333	BWR I&C Maint	1	Handbook	
TP18-1-386	386	BWR Parts Obs	0	CR124 Relay Product Announcement	
TP18-2-386	386	BWR Parts Obs	0	HFA65 Relay Product Announcement	
TP18-1-362	362	BWRWC	1	On-Line NobleChem TM Injector Quill: Pilot Plant (Hatch Unit 1) Status Update	
TP18-2-362	362	BWRWC	0	Best Practice Guidelines - OLNLC Injection Line Pressure Increase	
TP18-1-231	231	CRD Perf	0	Generic Response to SIL-173 Supplement 1 Revision 1, High Temperature Control Rod Drives	<p>Rev 0 - Initial Issue BWROG-TP-09-003 (previous numbering system)</p> <p>Rev 1 - Updated to address Revision 1 of GE SIL 173, Supplement 1. BWROG-TP-09-003 R1 (previous numbering system)</p> <p>Subsequent revisions issued under new BWROG numbering system as TP18-1-231</p> <p>Rev 0 - Updaed information and added sections for addressing Cooling Water Flow Theft and temperatures above 250 F, but below the GEH SIL 173 Threshold values</p>
TP18-1-389	389	ECCS SI	0	Emergency Core Cooling System Surveillance Frequency Extensions	
TP18-1-008	8	EPC	4	Summary - EPG/SAGs and the TSGs	
TP18-2-008	8	EPC	0	2018 Issues	
TP18-1-382	382	FBOT	0	Demonstration Plant Analysis Report	
TP18-1-375	375	Fukushima	0	Owners Group Positions (OGPs) HCVS-OGP-009 - HCVS-OGP-012	
TP18-2-375	375	Fukushima	0	HCVS TI Inspection Guidelines	

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Number	TAN	Committee	Revision	Description	Comments
TP18-1-030	30	LC	0	Evaluation of Short Completion Times in the BWR Standard Tech Spec	
TP18-2-030	30	LC	0	TSTF-564-A, "Safety Limit MCPR [Minimum Critical Power Ratio]"	
TP18-3-030	30	LC	2	TSTF-505-Ar2, Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b	
TP18-1-338	338	Offgas SI	0	Recommendations for Offgas System Isolation Valves	
TP18-1-009	9	OM	0	Boilerplate Outage Scope Valves	
TP18-1-205	205	RACMC	3	Best Practice Guidelines Fuel Failure Activities	
TP18-1-384	384	RCIC EOB	0	Project Reports: Texas A&M University (TAMU) Quarterly Report, PEICo PIM TTEXOB Project Reports, Sa	
TP18-1-028	28	RCRC	19	Guidelines for Excellence Section 5.0B: Bases for Monitoring of Reactivity Management Issues (Rev)	
TP18-2-028	28	RCRC	19	Guidelines for ExcellenceSection 5.0: Monitoring of Reactivity Management Issues	
TP18-1-325	325	RWCUSI	0	Filter Demineralizer Performance Optimization	
TP18-1-387	387	Target Rock SRV	0	Autoclave Screening Test of Pilot and Seat Materials and Comparison between IBAD and Sputtered Coat	
TP18-2-387	387	Target Rock SRV	0	Results from Autoclave Test (#1) of Pilot Valve Materials and Comparison of Plasma Enhanced Magnetron	
TP18-3-387	387	Target Rock SRV	0	Plasma-Enhanced Magnetron Sputtering of SRV Pilot Disc Coating, Test Results, and Equivalency Support	
TP18-1-339	339	TGASI	3	Committee Handbook	
TP18-1-112	112	VTRG	0	Motor Operated Valve Motor Starts Information	

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Number	TAN	Committee	Revision	Description	Comments
TP17-1-386	386	BWR Parts Obs	0	BWROG Parts Obsolescence CR120A Relay Switch Technical Product (Rev. 0)	
TP17-2-386	386	BWR Parts Obs	0	CR2940 Switch Technical Product	Product was initially prepared in 2016, but was not distributed.
TP17-1-362	362	BWRWC	0	Predix Design Thinking Session Summary	
TP17-1-231	231	CRD Perf	1	Trending & Monitoring of CRD System Performance	TP to be sent on 10/5/17
TP17-1-389	389	ECCS SI	0	Emergency Core Cooling System - Common Performance Monitoring Plans	
TP17-1-381	381	ECCS SS RIS	0	ECCS SS RI - Phase IV ECCS Suction Strainer Risk-Informed Solution	
TP17-2-381	381	ECCS SS RIS	0	Phase V ECCS Suction Strainer Risk-Informed Analyis	
TP17-3-381	381	ECCS SS RIS	0	Evaluation of LOCA Deposit Thickness and Impact on Cladding Temperature	
TP17-1-375	375	Fukushima	0	List of HCVs Phase 2 ISE Open Items	
TP17-2-375	375	Fukushima	0	FRC Committee Owners' Group Position (OGP) HCVS-OGP-000	
TP17-3-375	375	Fukushima	0	FRC Committee Owners' Group Positions (OGPs) HCVS-OGP-001 thru HCVS-OGP-003	
TP17-4-375	375	Fukushima	0	FRC Committee Owners' Group Position (OGP) HCVS-OGP-004	
TP17-5-375	375	Fukushima	0	FRC Committee Owners' Group Positions (OGPs) HCVS-OGP-005 thru HCVS-OGP-008	
TP17-6-375	375	Fukushima	1	BWR Specific Shutdown Refueling Mode Guidance (Previously BWROG-TP-15-019, Rev 1)	Rev -0 issued under old numbering system (BWROG-TP-15-019)
TP17-1-336	336	FWSI	0	Industry Trends Feedwater & Condensate Systems	
TP17-1-143	143	IRIR	0	TP17-1-143 IRIR BWROG Utility PRA Results	
TP17-2-143	143	IRIR	0	Low Power and Shutdown QLRA Standard BWROG Pilot Application Report	
TP17-1-030	30	LC	0	TSTF-542 - "Reactor Pressure Vessel Water Inventory Control (RPV WIC)	Rev 2 is the number of revisions BWROG had with the NRC before the document was approved.
TP17-2-030	30	LC	0	TSTF-551-A, Rev 3, Revise Secondary Containment Surveillance Requirements	
TP17-3-030	30	LC	0	TSTF-546-A "Revise APRM Channel Adjustment Surveillance Requirement	
TP17-1-338	338	Offgas SI	0	Best Practices and Fundamentals for H2/O2 Analyzers	
TP17-1-009	9	OM	0	Outage Management Gap Data 2017	
TP17-1-205	205	RACMC	2	Best Practice Guideline / Refueling Shutdown Margin	
TP17-2-205	205	RACMC	0	Interim Report - Long Term Cooling Aspects of BWRs - Input to PWROG LTCC Project	
TP17-3-205	205	RACMC	1	Best Practice Guidelines / Reload Analysis Technical Review	

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Number	TAN	Committee	Revision	Description	Comments
TP17-1-384	384	RCIC EOB	0	Sandia Report SAND2017-5562 R1 / Terry Turbopump Expanded Operating Band Summary of Program Plan	
TP17-1-028	28	RCRC	7	Guidelines for Excellence / Section 8 Reactivity Management During Refueling Outages	Previous revisions issued under old numbering system (BWROG-TP-09-021)
TP17-1-062	62	RP/ALARA	1	High radiation Area (HRA) and Locked High Radiation Area (LHRA) Best Practices	Revision 0 issued via old Letter Numbering system (BWROG-TP-11-003)
TP17-2-062	62	RP/ALARA	1	Radiation Protection Standard of Excellence for Exposure Control	
TP17-1-385	385	RRCS	0	RRCS Quick Reference Guide	
TP17-1-363	363	RRSI	1	Reactor Recirc Pump Shaft Seals Lessons Learned and Good Practices.	Technical product was finalized and submitted on 10/18/17, however, could not generate number in Tracking Tool because of Documentum Issues..
TP17-1-325	325	RWCUSI	0	Septa Filter Element Replacement Guidelines	
TP17-2-325	325	RWCUSI	0	Flow Accelerated Corrosion (FAC) Guideline for Excellence	
TP17-1-388	388	SCW	0	Stator Cooling Water Workshop Materials	
TP17-1-387	387	Target Rock SRV	0	Ion Beam Assisted Deposition (IBAD) of Platinum on Safety Relief Valve Pilot Discs	
TP17-1-339	339	TGASI	0	Technical Product TGASI Torsional Testing Position Paper Revision 2	TGASI Justification for Deviation from NEIL Torsional Resonant Frequency Limits for GE 4-Pole Nuclear Generating Units Operating in the Revision 2 (previous BWROG-TP-14-003)
TP17-2-339	339	TGASI	0	HPC Learning Documents (Implementation and Access Guideline)	
TP17-1-390	390	TSTF-542 RPV WIC	1	TSTF-542 Industry Implementation Guideline	
TP17-1-112	112	VTRG	2	Recommendations_Flowserve 10CFR Part 21 Notif. Anchor Darling DD Disc Gate Valve Wedge Pin	Rev 0 - BWROG-TP-13-006 Rev 1 - TP-16-1-112
TP17-2-112	112	VTRG	1	Motor Operated Valve Program Handbook	Original Release TP10-002-112 Rev 0
TP17-3-112	112	VTRG	2	Motor Operated Valve Backseating Practices	Original TP-07-008 (Old BWROG numbering system)

BWROG Technical Products 2016 (Part 1 of 2)

Number	TAN	Description
BWROG-TP-16-001	143	River Bend Low Power Shutdown PRA Standard BWROG Pilot Application Report Rev 0
BWROG-TP-16-002	143	Formalization of the Raceway-by-Raceway Fire Scenario Selection Methodology (Rev.0)
BWROG-TP-16-003	062	BWROG Radiation Protection / ALARA Committee, Steam Sensitive Area Entry Dose Controls Report Rev 0
BWROG-TP-16-004	030	TSTF-545 R3, "Technical Specification In-service Testing Program Removal & Clarify SR Usage Rule Application to Section 5.5 Testing," <i>(Initial BWROG TPN)</i>
BWROG-TP-16-005	373	Insights from Feedwater Level Control (FWLC) SCRAMs at Dresden Rev 0
BWROG-TP-12-006	009	BWROG Outage Management Refueling Outage Man Hour Data Matrix (Rev.1)
BWROG-TP-16-007	386	BWROG Parts Obsolescence CR 120B Relay Switch Technical Product (Rev.0)
BWROG-TP-16-008	381	BWROG Emergency Procedures Committee (EPC) Guidance Summary of Operator Response to ECCS Cavitation (Rev.0)
BWROG-TP-16-009		BWROG Reactivity Controls Review Committee (RCRC) Guidelines for Excellence (GFE): Section 0 – Guideline Preparation (Rev. 11). <i>NOTE: Revision number was not assigned previously trying get all the sections on the same revision sequence. This is therefore the initial TPN (per BWROG Program Manager)</i>
BWROG-TP-16-010	006	5 Year Event Analysis of Industry Scram, Unplanned Capacity Loss and Loss of Decay Heat Removal Events (Rev. 0)
BWROG-TP-16-011	028	BWROG Control Rod Blade Management Recommendations (Rev 0)
BWROG-TP-11-009	028	RCRC Guidelines for Excellence (GFE): Section 9.0 – Power Operations (Rev. 12)
BWROG-TP-16-012	028	RCRC Guidelines for Excellence (GFE): Section 5.0.B - Bases for Monitoring of Reactivity Management Issues (Rev 18)
BWROG-TP-16-013	338	Offgas Improvement Committee for Excellence - Charcoal Bed Fire Detection and Mitigation (Rev 0)
BWROG-TP-16-014	325	Reactor Water Clean-Up System Improvement (RWCUSI) Committee - Reactor Water Clean-Up Engineer's Handbook (Rev 0)
BWROG-TP-16-015	386	BWROG Parts Obsolescence CR120A Relay Switch Technical Product (Rev.0)
BWROG-TP-16-016	386	BWROG Parts Obsolescence CR2940 Relay Switch Technical Product (Rev.0)
BWROG-TP-16-017	112	VTRG Motor Operated Valve Historical On-Demand Failure Analysis Whitepaper (Rev.0)
BWROG-TP-16-018	365	Feasibility Study for Replacing the RCIC Turbine driven Pump with a ClydeUnion Turbine Water Lubricated Driven Pump (Rev 0)
BWROG-TP-16-019	336	Feedwater System Improvement Committee (FWSI) - Fermi South RFP Turbine Event (Rev 0)
BWROG-TP-16-020	373	Insights from Feedwater Level Control (FWLC) SCRAMs at Dresden (Rev 0)
BWROG-TP-16-021	143	BWROG Peach Bottom LPSD QLRA Pilot Application Report (IRIR) Rev 0
BWROG-TP-15-013	321	RHR Shutdown Cooling Protection Best Practices (RHR SI) Rev 1
BWROG-TP-16-022	373	Feedwater Water Heater Level Control (FWHLC) AOV Maintenance Optimization Guideline (Rev 0)
BWROG-TP-16-023	373	Feedwater Water Heater Level Control (FWHLC) Summary of BWR Feedwater & Heater Level Control Systems (Rev 0)

BWROG Technical Products 2016 (Part 2 of 2)

Number	TAN	Committee	Revision	Description	Comments
TP16-1-333	333	BWR I&C Maint	0	HU Error Prevention Best Practices	
TP16-2-333	333	BWR I&C Maint	1	SRM/IRM Maintenance & Troubleshooting Guidelines	
TP16-1-362	362	BWRWC	1	On-Line NobleChem™ Injection Quill: Pilot Plant Hatch 1 Status Update	Original Release
TP16-1-231	231	CRD Perf	0	Control Rod Drive (CRD) System Engineer's Handbook	Actual product issue date was 12/2/16 . Number assigned manually
TP16-1-375	375	Fukushima	0	BWROG FRC MAAP Analysis Guidance for Severe Accident Water Management Evaluations	Original Release
TP16-1-205	205	RACMC	2	RACMC Best Practices Guideline	Previous revisions issued under BWROG-TP-08-010 - Old Letter Log System
TP16-2-205	205	RACMC	0	Shaker Test Project-Updated Fuel Channel Bow Surveillance Recommend & Friction Limits-BWR/2-5	Original Release
TP16-3-205	205	RACMC	0	Scram Time Data Analytics & OLMCPR Improvement Feasibility Study	
TP16-4-205	205	RACMC	0	Best Practice Guideline: Control Blade Management	
TP16-1-385	385	RRCS	0	Technical Product: RRCS and NSPS Best Practices	Redundant Reactivity Control System (RRCS) and Nuclear System Protection System (NSPS) Best Practices Rev 0 dated 11/11/2016.
TP16-2-385	385	RRCS	0	RRCS Obsolescence Analysis Report	Other ID - GEH Proprietary Info - Class II (Internal) 003N7110 Rev 0, dated October 2016
TP16-1-112	112	VTRG	3	Recommendations to Resolve Flowserve 10CFR Part 21 Notification Affecting Anchor Darling Double Disc	Original Release "BWROG-TP-13-006" Revision 1 – Update to incorporate Operating Experience based on industry inspections -Addendum 1. New BWROG document tracking number.

BWROG Technical Products 2015

Number	TAN	Description
BWROG-TP-15-001	376	BWR6 Rod Control and Information System Parts Study – Phase II: Full Analysis and Mitigation Strategies of Selected Cards Report Rev.0
BWROG-TP-15-002	338	Optimum Offgas Flowrate
BWROG-TP-15-003	205	RACMC Best Practice Guidelines (BPG): Bundle and Core Design
BWROG-TP-09-026	006	Scram Frequency Reduction Committee Handbook - Rev. 7
BWROG-TP-15-004	009	Schedule Execution/Bow Wave Management, Rev. 0
BWROG-TP-15-005	375	BWROG Fukushima Response Committee Missile Strike on HCVS Piping, Rev 0
BWROG-TP-15-006	028	3D Monicore™ Fit Adaption Mode Operating Recommendations, GNF 001N2133 Revision 0
BWROG-TP-11-019	028	RCRC Guidelines for Excellence (GFE): Section 6.0 – <i>Reactivity Management During Approach to Criticality (Rev.12)</i>
BWROG-TP-15-007	375	Raw Water Issue: Heat Transfer Capability
BWROG-TP-12-017	143	IRIR: BWR Ignition Source Counts Survey Report (Rev.1), TPN: BWROG-TP-12-017, Rev.1
BWROG-TP-07-008	112	Motor Operated Valve Backseating Practices, Rev. 1, TPN: BWROG-TP-07-008
BWROG-TP-14-003	339	Justification for Deviation from NEIL Torsional Resonant Freq Limits for GE 4-Pole Nuclear Generating Units Operating in the US, Rev. 1
BWROG-TP-15-008	375	BWROG Fukushima Response Committee Severe Accident Water Addition Timing, Rev. 0
BWROG-TP-15-009	143	Approaches to Reduce PRA Development and Application Costs
BWROG-TP-15-010	112	Kalsi – Appendix III Implementation Guideline - TO BE RELEASED IN 2015
BWROG-TP-15-011	375	BWROG Fukushima Response Committee Severe Accident Water Management Supporting Evaluations, Rev 0, TPN
BWROG-TP-15-012	374	Primary System Chemical Decontamination and Enhanced Low Temperature NobleChem Application Assessment Report Rev 0
BWROG-TP-09-008	205	Best Practice Guideline – Core Performance Monitoring Rev. 3
BWROG-TP-15-013	321	RHR Shutdown Cooling Protection Best Practices
BWROG-TP-15-014	374	Report of HOP(II) Material Compatibility Test Results – Phase II Rev. 0
BWROG-TP-15-015	362	On-Line NobleChem™ Injection Quill: Design Package and Generic Technical Safety Evaluation Rev. 0,
BWROG-TP-15-016	325	RWCU Filter Demin Valves Study Rev 0
BWROG-TP-08-019	231	Standard for Selecting CRDs for Exchange During Refueling Outages Rev. 2
BWROG-TP-15-017	363	Reactor Recirculation Seal Purge Management Rev. 0
BWROG-TP-09-025	028	RCRC Guidelines for Excellence (GFE): Section 5.0 – <i>Monitoring of Reactivity - Management Issues (Rev.17)</i>
BWROG-TP-15-018	380	Monticello Valve Leakage Evaluation and Estimation Method Comparison Rev. 0,
BWROG-TP-15-019	375	BWROG Fukushima Response Committee BWR-Specific Shutdown Refueling Mode Guidance, Rev 0
BWROG-TP-15-020	028	RCRC Guidelines for Excellence (GFE): Section 11.0 – <i>Startup and Physics Testing Following a Refueling Outage (Rev.11)</i>
BWROG-TP-15-021	338	BWROG Offgas System Improvement Committee (338) – Guideline for Excellence – Steam Jet Air Ejector Operation Rev 0

BWROG Technical Products 2014

Number	TAN	Description
BWROG-TP-14-001	344	Task 1 - CFD Report and Combined NPSHr Uncertainty for Browns Ferry/ Peach Bottom CVIC RHR Pumps (CAP)
BWROG-TP-14-002	321	RHR System Preventive Maintenance Matrix Rev. 0
BWROG-TP-07-019	231	Guidelines for Hydraulic Control Unit (HCU) Maintenance Rev. 1 (prev. November, 2007)
BWROG-TP-14-003	339	Justification for Deviation from NEIL Torsional Resonant Freq Limits for GE 4-Pole Nuclear Generating Units Operating in the US, Rev. 0
BWROG-TP-14-004	338	Offgas System Improvement Committee Consideration of Upstream and Downstream HEPA Filters - Rev. 0
BWROG-TP-14-005	205	Best Practice Guideline: Owner Acceptance Reviews Rev. 0
BWROG-TP-14-006	375	Fukushima Response Committee Raw Water Issue: Fuel inlet blockage from debris
BWROG-TP-14-007	006	SFRC Recommendation 39 – Minimize Adverse Station Impact due to Abandoned Equipment
BWROG-TP-14-008	336	Feedwater/Condensate System: Mechanical and Labyrinth Seal Guide / Lessons Learned
BWROG-TP-14-009	112	Installed Motor Capability for Large Frame Size Aluminum Rotor AC MOV Motors – Final Position White Paper
BWROG-TP-14-010	030	TSTF–523 R2, “Generic Letter 2008–01, Managing Gas Accumulation
BWROG-TP-14-011	009	BWROG Outage Management Evolution Matrix Product Rev. 0
BWROG-TP-11-022-A	327	Pressure--Temperature Limits Report Methodology for Boiling Water Reactors
BWROG-TP-14-012	379	Feedwater Nozzle Inspection Frequency 2014 – Interference Fit Spargers – Definition Clarification Rev. 0
BWROG-TP-09-013	143	BWROG IRIR Selection of Risk-Informed Applications Rev. 1, TPN: BWROG-TP-09-013 REV.1
BWROG-TP-14-013	375	Guidance for Vent Pipe Design Considering Potential Hydrogen Deflagration and Detonation for the FRC
BWROG-TP-09-021	028	Guidelines for Excellence - Section 8.0: Reactivity Management During Refueling Outages, Rev. 6 (October 2014 issue)
BWROG-TP-14-014	008	FLEX Support Guidelines (Generic FLEX Support Guidelines and Interfaces) Rev. 0
BWROG-TP-14-015	008	Shutdown EPGs/SAGs (Project Plan for Development of Shutdown EPG/SAGs) Rev. 0
BWROG-TP-14-016	365	HPCI Steam Admission Valve Leakage - Rev. 0
BWROG-TP-14-017	363	Recirculation Pump Motor Oil Reservoir Improvements Rev 0
BWROG-TP-14-018	375	FRC Beyond Design Basis RCIC Elevated Temperature Qualitative White Paper
BWROG-TP-14-019	378	SRV Seat Leakage and Set Pressure Drift Mitigation Guidance Rev. 0
BWROG-TP-14-020	362	Hydrogen Water Chemistry (HWC) Availability Improvements Rev 0
BWROG-TP-07-004	112	Guideline for Monitoring and Evaluating Motor Operated Valve Stem Nut Wear, Rev. 1
BWROG-TP-07-009	231	Standard For CRD Exercising Prior to Startup Rev 1
BWROG-TP-14-021	374	Report of HOP(II) Material Compatibility Test Results – Phase I Rev 0
BWROG-TP-01-007	205	RACMC-BPG-2001-001 Rev 0 2/16/2001 - Fuel Failure Activities Best Practices Guideline Rev 2
BWROG-TP-14-022	325	Guidelines for PLC Upgrade of RWCU Filter Demin Controls Rev. 0
BWROG-TP-14-023	186	Guideline for Core Component Handling Program Best Practices
BWROG-TP-14-024	062	Robotics Source Guide
BWROG-TP-09-004	009	BWROG Outage Management Committee Handbook, Rev. 2
BWROG-TP-14-025	358	Radiolytic Gas Accumulation in Boiling Water Reactors Rev. 0

Year 2012 institution by BWROG Program Manager of current TP's bearing original TP# with revision reference

BWROG Technical Products 2013

Number	TAN	Description
BWROG-TP-13-001	375	Plant Evaluation of Severe Accident Mitigation Strategies (Rev. 0 and Rev. 1 issued 1/2013)
BWROG-TP-13-002	375	GEH Evaluation of the FLEX Implementation Guidelines Rev 1
BWROG-TP-09-025	028	RCRC Guidelines For Excellence (GFE): Section 5.0 – Monitoring of Reactivity Management Issues (Rev.15)
BWROG-TP-13-003	375	RCIC Pump and Turbine Durability Evaluation – Pinch Point Study
BWROG-TP-13-004	375	HCVS Overall Integrated Implementation Plan Template
BWROG-TP-13-005	339	Alterrex Oil Leakage Reduction Good Practices Rev 0
BWROG-TP-05-013	205	Spent Nuclear Fuel Dry Cask Storage (Revision 1)
BWROG-TP-13-006	112	Recommendations to Resolve Flowserve 10CFR Part21 Notification Affecting Anchor Darling Double Disc Gate Valve Wedge Pin Failures
BWROG-TP-05-013	205	Spent Nuclear Fuel Dry Cask Storage Rev. 1 - Best Practice Guidelines
BWROG-TP-01-008	008	Emergency Procedures and Severe Accident Guidelines Rev. 3 (prev. March, 2001)
BWROG-TP-13-007	370	BWR Owner’s Group - Sub-compartment (Annulus) Pressurization Loads Evaluation Methodology Review
BWROG-TP-13-008	344	CAP Task 2 - Equation for Pump Speed Correction (CVIC Pump) - Browns Ferry and Peach Bottom
BWROG-TP-13-009	344	CAP Task 3 - Pump Operation at Reduced NPSHa (CVIC Pump)- Browns Ferry and Peach Bottom
BWROG-TP-13-010	344	CAP Task 6 - NPSHR Test Instrument Accuracy Effect on Published Results (CVIC Pump)- Browns Ferry and Peach Bottom
BWROG-TP-13-011	344	CAP Task 5 - Effects of Non-Condensable Gases on Seals (CVIC Pump)
BWROG-TP-08-011	205	RACMC Best Practice Guideline - Refueling Shutdown Margin (Rev. 1) RACMC-BPG-2008-02
BWROG-TP-13-012	030	TSTF-535 Rev. 0, ‘Revise Shutdown Margin Definition to Address Advanced Fuel Designs’ Rev. 0
BWROG-TP-13-013	030	TSTF-522, ‘Revise Ventilation System Surveillance Requirements to Operate for 10 Hours per Month’, Rev. 0.
BWROG-TP-13-014	062	Radiation Protection Standard of Excellence for Exposure Control
BWROG-TP-09-012	143	Living PRA Configuration Control and Model Maintenance, TPN: Rev1
BWROG-TP-09-010	143	Utility Guidance for Application of Regulatory Guide 1.200 Rev. 2 An Approach for Det the Tech Adequacy of PRA Results for Risk-Informed Act
BWROG-TP-13-002	375	GEH Evaluation of the FLEX Implementation Guidelines Rev 2
BWROG-TP-13-015	375	GEH MAAP-SHEX Benchmark Study for the BWROG
BWROG-TP-13-016	373	Digital Conversion Roadmap - Rev. 0.
BWROG-TP-11-023-A	327	Linear Elastic Fracture Mechanics Evaluation of GE Boiling Water Reactor Water Level Instrument Nozzles for PTC Eval (BWROG-TP-11-023-A)
BWROG-TP-13-017	112	MPR Assessment of Updated Peerless Motor Performance Curves (White Paper), MPR LTR-0459-0002, Rev. 0
BWROG-TP-13-018	362	Basis for Reduction of 90 Day Pre-conditioning Period for GNF Fuel Rev. 0
BWROG-TP-13-019	325	Reactor Water Cleanup (RWCU) System Common Performance Monitoring Plan Rev 0
BWROG-TP-13-020	376	BWR6 Rod Control & Information System (RC&IS) Vulnerability Study Rev. 0
BWROG-TP-05-011	363	Reactor Recirculation System Engineer’s Handbook Rev. 3, TPN
BWROG-TP-13-021	344	Task 4 – Operation in the Maximum Erosion Rate Zone (CVIC Pump)

Year 2012 institution by BWROG Program Manager of current TP's bearing original TP# with revision reference

BWROG Technical Products 2012

Number	TAN	Description
BWROG-TP-12-001	205	Reload Analysis and Core Management Committee: SC 05-03 Analysis Report
BWROG-TP-09-025	028	Reactivity Controls Review Committee (RCRC) -GFE Section 5.0: Monitoring of Reactivity Management Issues-Sec. 5.0/Rev. 14
BWROG-TP-03-004	205	Reload Analysis and Core Management Committee (RACMC) (BPG): Reload Fuel Design Change Activities (Rev. 3),
BWROG-TP-14-003	028	BWROG-TP-09-007, RCRC (GFE): Section 3.0 – Rev. 12 - Station Reactor Engineering Training Programs
BWROG-TP-12-002	205	Reload Analysis and Core Management Committee (RACMC): Fuel Vendor Engineering Oversight (Rev.0),
BWROG-TP-12-003	375	Filtered Containment Venting System (FCVS) White Paper
BWROG-TP-12-004	143	BWROG IRIR: Configuration Risk Management: Heavy Loads (Rev.0)
BWROG-TP-12-005	009	BWROG Outage Management Pre Outage Gap Template (Rev.0)
BWROG-TP-12-006	009	BWROG Outage Management Refueling Outage Man Hour Data Matrix (Rev.0)
BWROG-TP-12-007	009	BWROG Outage Management Scorecard for Planned Duration versus Actual Duration for 2010 – 2011 Outage Season (Rev.0)
BWROG-TP-12-008	333	Equipment Upgrade Summary: Ob. Mitigation GL – Rosemount Mod.1153 Series Pres Trans& Mod. 710 Trip Cal Sys Comp. -Rev.0
BWROG-TP-12-009	006	SFRC Recommendation 37- Eliminate the Transformer Sudden Over Pressure Trip Single Point Vulnerability
BWROG-TP-12-010	006	SFRC Recommendation 38- Replace the RPS Power Transfer Switch
BWROG-TP-12-011	344	Task 2 - Equation for Pump Speed Correction (CVDS Pump)
BWROG-TP-12-012	344	Task 4 – Operation in the Maximum Erosion Rate Zone (CVDS Pump)-Rev. 0
BWROG-TP-12-013	344	Task 5 – Effects of Non-Condensable Gases on Seals (CVDS Pump)
BWROG-TP-12-014	344	Task 6 – NPSH _r Test Instrument Inaccuracy Effect on Published Results (CVDS Pump)
BWROG-TP-12-015	186	Refueling Platform Component Matrix Rev 0
BWROG-TP-12-016	321	RHR Gas Intrusion Fill & Vent Practices Rev 0
BWROG-TP-12-017	143	BWR Ignition Source Counts Survey Report Rev 0
BWROG-TP-12-018	344	Task 3 - Pump Operation at Reduced NPSHa (CVDS Pump)
BWROG-TP-12-019	344	Task 1 - CFD Report and Combined NPSHr Uncertainty for Monticello RHR CVDS Pump
BWROG-TP-08-010	205	RACMC Best Practice Guideline – Notch Worth Evaluation (Revision 1)
BWROG-TP-12-020	028	RCRC Position Paper: Guidance for SC11-05 Failure to Incl. Seismic Input in CControl Blade Interfer. (Sept. 26, 2011) (Revision 0)
BWROG-TP-12-021	362	Feasibility Study: 90 Day Fuel Pre-Conditioning Time Limit Reduction for On Line Noble Chem (OLNC) Applications Rev 0,
BWROG-TP-09-042	231	A Compilation of Troubleshooting Recommendations Based On BWROG CRD Operational History - Rev. 1
BWROG-TP-12-022	374	NEDC 32033 Primary System Decon Gap Report
BWROG-TP-12-023	376	BWR6 RC&IS Reliability Improvement Guide Rev 0.
BWROG-TP-12-024	377	Evaluation of the Delay Time Impact of LPCI-SDC Re-alignment in Mode 3 SD Cooling (Rev0) 0151-0380-R0]
BWROG-TP-12-025	377	Position Paper – Guidance for Alignment and Venting of RHR Loop for Post-LOCA LPCI Mode Operation
BWROG-TP-12-026	325	RWCU System and Component Dose Reduction Techniques Rev 0
BWROG-TP-12-027	363	Reactor Recirculation System Troubleshooting Guide Rev 0, TPN
BWROG-TP-12-028	030	TSTF-505-A, 'Provide Risk-Informed Extended Completion Times-RITSTF Initiative 4B', Rev1

BWROG Technical Products 2011

Number	TAN	Description
BWROG-TP-11-001	338	BWROG Offgas Modification Guideline
BWROG-TP-11-002	355	Licensing Topical Report: Boiling Water Reactor Emergency Core Cooling Suction Strainer In-Vessel Downstream Effects, NEDC-33608P
BWROG-TP-11-003	062	High Radiation Area (HRA) and Locked High Radiation Area (LHRA) Best Practices
BWROG-TP-11-004	062	Refuel Outage Source Term Management Best Practices (Effective Source Term Management to Reduce Collective Radiation Exposure)
BWROG-TP-11-005	062	Dry Cask Storage Radiological Best Practices (Managing Dry Cask Storage Program Radiological Risks)
BWROG-TP-11-006	355	ECCS Containment Walkdown Procedure (previous rev: 3/2009 - BWROG-TP-09-001)
BWROG-TP-11-007	030	Transmittal of TSTF-425, Revision 3, "Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b"
BWROG-TP-11-008	363	Reactor Recirculation System: Motor Generator Set, VFD & Flow Control Plants - Common Preventive Maintenance (PM) Matrix Rev 0
BWROG-TP-11-009	028	Reactivity Controls Review Committee (RCRC) (GFE), Section 9.0 – Power Operations, Revision 11 - prev. BWROG-TP-04-037
BWROG-TP-11-010	205	Transmittal of BWROG 10CFR50.46(b) Margin Assessment Report (Rev. 0 and Rev. 1)
BWROG-TP-11-011	143	BWROG Assessments of Generic Multiple Spurious Operations (MSOs) in Post-Fire Safe SD Circuit Analysis for the Operating BWR Plants
BWROG-TP-11-012	333	Primary Containment Isolation System (PCIS) Group 1 Surveillance Testing Risk Management Application Guideline (Revision 0)
BWROG-TP-11-013	365	HPCI/RCIC System Improvement Committee (365): RCIC Turbine Governor Replacement Technical Evaluation, Rev 0
BWROG-TP-11-014	321	RHR System Dose Reduction Techniques and Results - Rev. 1 (prev. BWROG-TP-09-043)
BWROG-TP-11-015	356	Torus Suppression Chamber Coating Committee (356): Suppression Chamber Coating Maintenance Guide (Rev.1), prev. BWROG-TP-10-003
BWROG-TP-11-016	205	Reload Analysis & Core Management Committee (RACMC): <i>Operational Parameter Monitoring & Validation (Rev.0)</i> ,
BWROG-TP-11-017	356	Torus Suppression Chamber Coating Committee (356): Suppression Chamber Coating Installation Specification (Rev. 0)
BWROG-TP-11-018	363	Reactor Recirculation System Common Performance Monitoring Plan Rev 0
BWROG-TP-11-019	028	Reactivity Controls Review Committee (RCRC) GFE Sec. 6.0: Reactivity Mgmt. During Approach to Criticality-Rev. 11 (prev: BWROG-TP-05-018)
BWROG-TP-11-020	356	Torus Suppression Chamber Coating Committee -Irradiation and Design Basis Accident (DBA) Qualification Testing of Repair Coatings (Rev. 0),
BWROG-TP-11-021	325	Reactor Water Clean-Up Filter Demineralizer Troubleshooting Guide Rev 0
BWROG-TP-11-022	327.1	PTC-SIA LTR - Pressure-Temperature Limits Report Methodology for Boiling Water Reactors
BWROG-TP-11-023	327	PTC-SIA GINS LTR - Linear Elastic Fracture Mechanics Evaluation of GE BWR Water Level Instrument Nozzles for PTC Evaluations
BWROG-TP-11-024	362	BWROG Position Paper: Chemistry Effectiveness Indicator (CEI) Revision Rev 0
BWROG-TP-11-025	355	BWROG ECCS Suction Strainer BWR Downstream Effects Bypass Test Plan
BWROG-TP-11-026	355	BWROG ECCS Suction Strainer Chemical Effects Resolution Strategy Plan and Flowchart
BWROG-TP-11-027	339	Turbine Generator & Auxiliaries System Improvement (TGASI) Committee Handbook (prev: BWROG-TP-09-045)
BWROG-TP-11-028	231	Standard for Control Rod Drive Mechanism (CRDM) Stroke Timing Rev 0
BWROG-TP-11-029	231	Guidelines for Control Rod Guide Tube Vacuuming Rev 1 (prev: BWROG-TP-04-029)
BWROG-TP-11-030	339	Low Pressure Turbine Monoblock Rotor High Vibration Prevention Guidelines
BWROG-TP-11-031	365	HPCI Turbine Governor Replacement Technical Evaluation Technical Product Number

BWROG Technical Products 2010

Number	TAN	Description
BWROG-TP-10-001	365	HPCI and RCIC Turbine Exhaust Check Valve Cycling
BWROG-TP-10-002	112	Valve Technical Resolution Group (VTRG) Motor Operated Valve Program Handbook
BWROG-TP-10-003	356	Suppression Chamber Coating Maintenance Guide. (Revision 0) (BWROG-TP-11-015 - Rev. 1 - 08/2011)
BWROG-TP-10-004	333	I&C Maintenance Committee Equipment Upgrade Summary: Digital Reactor Manual Control System (RMCS) (Revision 0)
BWROG-TP-10-005	028	Section 12.0:Programmatic Controls For Reactivity Changes (Revision 11) (previous: December, 2005)
BWROG-TP-10-006	205	Reload Analysis & Core Management Committee (RACMC): <i>Fuel Handling Accident in the Spent Fuel Pool Generic Dose Assessment (Rev.0)</i>
BWROG-TP-10-007	325	BWROG RWCU Pump Seal Troubleshooting Guide
BWROG-TP-10-008	339	Turbine EHC Hydraulic Leak Reduction Guidelines
BWROG-TP-10-009	231	Trending & Monitoring of Control Rod Drive System Performance

BWROG Technical Products 2009

Number	Tan	Description
BWROG-TP-09-001	355	Containment Walkdown Procedure for Potential Strainer Debris Sources at BWR Nuclear Power Plants- Rev. 0
BWROG-TP-09-002	355	Pilot Study Comparison of BWROG Utility Resolution Guidance (URG) and NEI-07 PWR Methodologies Regarding Pipe Break Location Sel Criteria - NOT ISSUED
BWROG-TP-09-003	231	Generic Response to SIL-173 Supplement 1 Revision 1, High Temperature Control Rod Drives (previous rev 11/2001 - BWROG-TP-01-022)
BWROG-TP-09-004	009	Outage Management Committee Handbook (previous revision 2008 - BWROG-TP-08-006)
BWROG-TP-09-005	112	Inspection of Motor Operated Valve Limatorque AC Motors with Magnesium Rotors
BWROG-TP-09-006	028	RCRC Guideline for Excellence-Section 5.0 - Monitoring of Reactivity Management Issues - Rev. 12 (prev. 11/2006 - BWROG-TP-06-034)
BWROG-TP-09-007	028	RCRC Guideline For Excellence (GFE): Section 3.0 – Station Reactor Engineering Training Programs (Rev.11) (prev. BWROG-TP-04-034)
BWROG-TP-09-008	205	Reload Analysis and Core Management Committee (RACMC) Best Practice Guideline - Core Performance Monitoring Rev. 2 (prev. BWROG-TP-04-035)
BWROG-TP-09-009	205	Reload Analysis and Core Management Committee (RACMC) Position Paper (BWROG Guidance for 50.59 Info Reports on Changes to a Method of Eval)Rev.0
BWROG-TP-09-010	143	Utility Guidance for App. of Reg Guide 1.200 “An Approach for Det the Tech Adequacy of PRA Results for Risk-Informed Act” (Rev. 1)prev.BWROG-TP-08-008
BWROG-TP-09-011	143	Recommendations to Alleviate Utility PRA Workforce Needs
BWROG-TP-09-012	143	Living PRA Configuration Control and Model Maintenance
BWROG-TP-09-013	143	BWROG Guidance for Utility Selection of Risk-Informed Applications for Implementation
BWROG-TP-09-014	360	BWROG Engineering Training Course - Reactor Recirculation System Student Guide
BWROG-TP-09-015	365	Time Delay and Setpoint for the HPCI and RCIC Low Suction Pressure Trip
BWROG-TP-09-016	143	Changes to the Internal Events PRA Modeling In Support of Fire PRA Development
BWROG-TP-09-017	143	Lessons Learned from PWR Fire PRA Methods
BWROG-TP-09-018	143	PRA Calculation Guidelines: Missed Surveillances
BWROG-TP-09-019	143	PRA Calculation Guidelines: Notice of Enforcement Discretion (NOED)
BWROG-TP-09-020	364	BWROG Target Rock 2-Stage Safety Relief Valve Test Report
BWROG-TP-09-021	028	Guidelines for Excellence - Section 8.0: Reactivity Management During Refueling Outages (Revision 4) (prev. BWROG-TP-00-025)
BWROG-TP-09-022	028	Guidelines for Excellence Section 1.0: Reactivity Management Policies and Program (Revision 12) (prev. BWROG-TP-04-036)
BWROG-TP-09-023	348	Test Interval Extension for Nuclear Steam Turbine Main Stop, Control, & Combined Intermediate Valves Technical Safety Evaluation
BWROG-TP-09-024	143	The Effect of Standby Gas Treatment System on BWR Dose Analysis (RITS also produced product - TA 236)
BWROG-TP-09-025	028	RCRC Guideline for Excellence-Section 5.0 - Monitoring of Reactivity Management Issues - Rev. 13 (prev. BWROG-TP-09-006)
BWROG-TP-09-026	006	Scram Frequency Reduction Committee Handbook, Rev 6 (prev. BWROG-TP-06-028)
BWROG-TP-09-027	009	BWROG Technical Product Outage Scheduler Position Guide
BWROG-TP-09-028	338	Offgas SystemTroubleshooting Guide

BWROG Technical Products 2009

Number	Tan	Description
BWROG-TP-09-029	325	Septa Filter Element Replacement Guidelines
BWROG-TP-09-030	231	CRD Collet Piston Rebuild Tools
BWROG-TP-09-031	339	GE Turbine Generator Stator Winding Lay Up Guidelines
BWROG-TP-09-032	364	BWROG Target Rock 2-stage Safety Relief Valve Setpoint Test Data Review
BWROG-TP-09-033	112	Generic Methodology for JOG MOV Periodic Verification (PV) Program - Category D MOV Evaluations
BWROG-TP-09-034	355	Containment Walkdown Operability Evaluation Guideline
BWROG-TP-09-035	348	Turbine Valve Test Relaxation Implementation Guideline Rev. 1 (prev. BWROG-TP-08-042)
BWROG-TP-09-036	062	Trip Ticket Usage for Radiation Protection and Worker Engagement
BWROG-TP-09-037	338	BWROG Offgas System Improvement Committee: System Monitoring Guide
BWROG-TP-09-038	325	Reactor Water Cleanup Bottom Head Drain Flushing Guidelines
BWROG-TP-09-039	062	Drywell Access During Fuel and Irradiated Hardware Movement
BWROG-TP-09-040	336	Guideline for Feedwater and Condensate System Performance Monitoring: Revision 1 (prev: BWROG-TP-08-023)
BWROG-TP-09-041	336	Feedwater and Condensate Systems: Extended Power Uprate Lessons Learned and Recommendations
BWROG-TP-09-042	231	CRD Troubleshooting Tables
BWROG-TP-09-043	321	Residual Heat Removal System - Dose Reduction Techniques and Results - Rev. 0 (updated BWROG-TP-11-014)
BWROG-TP-09-044	365	Water Hammer Concerns in HPCI / RCIC Turbine Exhaust Lines Due to Vacuum Breaker Design
BWROG-TP-09-045	339	Turbine Generator & Auxiliaries System Improvement (TGASI) Committee Handbook - Rev. 1 (prev: BWROG-TP-08-044)

BWROG Technical Products 2008

Number	Tan	Description
BWROG-TP-08-001	030	White Paper on Post-Fire Safe SD Equip Not Req to be Incl in the Remote SD TS
BWROG-TP-08-002	006	Strengthen Programs Associated With Digital Upgrade Controls Implementation and Maintenance Practices (SFRC Rec 36)
BWROG-TP-08-003	028	RCRC Best Practice Guidelines-Section 7.0: Fuel Integrity Program (Rev.11)
BWROG-TP-08-004	353	Reactor Recirculation Pump Shaft Seals Lessons Learned and Good Practices
BWROG-TP-08-005	333	BWROG I&C Maintenance Committee Handbook
BWROG-TP-08-006	009	Outage Management Committee Handbook 2007 (Rev. 1 2009 - BWROG-TP-09-004)
BWROG-TP-08-007	356	Internal Torus / Suppression Pool Coating Repair Test Specification For Overcoating Systems
BWROG-TP-08-008	143	Utility Guidance for App. of Reg Guide 1.200 "An Approach for Det the Tech Adequacy of PRA Results for Risk-Informed Act" (Rev. 0)
BWROG-TP-08-009	186	2008-06-24 07 Refuel Floor Foreign Material Exclusion Guideline for Excellence R2 (Refueling Perf 2008-01)
BWROG-TP-08-010	205	RACMC Best Practice Guideline - Notch Worth Evaluation (Rev. 0) RACMC-BPG-2008-01
BWROG-TP-08-011	205	RACMC Best Practice Guideline - Refueling Shutdown Margin (Rev. 0) RACMC-BPG-2008-02
BWROG-TP-08-012	205	RACMC Best Practice Guideline - Reload Analysis Technical Review (Rev. 0) RACMC-BPG-2008-03
BWROG-TP-08-013	321	Guideline for Managing RHR System Maintenance-A Technical Product - BWROG RHR SI Committee
BWROG-TP-08-014	354	BWROG ECCS Pumps Suction Void Fraction Study
BWROG-TP-08-015	205	Banked Position Withdrawal Sequence Guidelines
BWROG-TP-08-016	325	RWCU Filter Demineralizer Slow Pressurization To Prevent Resin Dislodgement
BWROG-TP-08-017	354	Potential Effects of Gas Accumulation on ECCS Analysis as Part of GL 2008-01 Resolution
BWROG-TP-08-018	191	Interpretation Of Footnote 11 To Regulatory Guide 1.183
BWROG-TP-08-019	231	Standard For Selecting CRDS For Exchange During Refueling Outages
BWROG-TP-08-020	354	Effects of Voiding in ECCS Drywall Injection Piping
BWROG-TP-08-021	354	(FAI-2008-070) Gas Voids Pressure Pulsations Program prepared by PWROG
BWROG-TP-08-022	354	(WCAP-16962-NP) Gas Voids Survey of Periodic Venting and Industry Practices
BWROG-TP-08-023	336	Guideline for Feedwater System Performance Monitoring (update: BWROG-TP-09-040)
BWROG-TP-08-024	231	Control Rod Drive Verification of Hydraulic Control Unit Isolation Integrity
BWROG-TP-08-025	062	Controls In Drywell Initial Entry Procedures
BWROG-TP-08-026	062	BWR Radiation Level Assessment & Control (BRAC) Methods
BWROG-TP-08-027	062	Guidelines for Setting Dose Goals
BWROG-TP-08-028	062	Dose Reduction Planning Guidelines
BWROG-TP-08-029	062	Dose Ownership Guidelines
BWROG-TP-08-030	062	Five-Year Alara Plan Template
BWROG-TP-08-031	028	Reactivity Management Assessment Guide
BWROG-TP-08-032	352	Evaluation of Steam Flow Induced Error (SFIE) Impact on the L3 Setpoint Analytic Limit - Rev. 1 (prev. revision BWROG-TP-07-022)
BWROG-TP-08-033	236	The Effect of Standby Gas Treatment System on BWR Dose Analysis - NOT ISSUED in 2008 (issued in 2009 as BWROG-TP-09-024 under TA 143)
BWROG-TP-08-034	325	RWCU Reject Piping High Pressure Alarm Modification

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Number	Tan	Description
BWROG-TP-08-035	355	Drywell & Wetwell Walkdown Guidance Document
BWROG-TP-08-036	339	Turbine-Generator On-Line Condition Monitoring Parameters
BWROG-TP-08-037	020	Final Report On The Survey Of Common Cause Modeling Practices for the European BWR Owners Group - issued as an AP number -BWROG-AP-08-001
BWROG-TP-08-038	006	Recommendation Tracking System Status (Updated as of 11/18/08) (SFRC) (NOT ISSUED) (TA 006)
BWROG-TP-08-039	364	Target Rock 2-Stage SRV Design Specification Evaluation
BWROG-TP-08-040	009	Best Practices From Olkiluoto Benchmark Trip - 10-2008
BWROG-TP-08-041	322	HPCI RCIC Control Upgrade Committee Handbook
BWROG-TP-08-042	348	Turbine Valve Test Relaxation Implementation Guideline (updated: BWROG-TP-09-035)
BWROG-TP-08-043	317	Extended Power Uprate (EPU) Lessons Learned and Recommendations, NEDO 33159, Revision 2 (prev. rev. BWROG-TP-07-001)
BWROG-TP-08-044	339	Turbine Generator & Auxiliaries Improvement Committee Handbook-updated BWROG-TP-09-045 and BWROG-TP-11-027)
BWROG-TP-08-045	063	Powdered Resin Condensate Polishing Guidelines - Rev. 12 (prev. BWROG-TP-07-024)
BWROG-TP-08-046	063	Deep Bed Condensate Polishing Guidelines - Rev. 12 (prev. BWROG-TP-07-025)
BWROG-TP-08-047	063	Reactor Water Clean Up Demineralizers Condensate Polishing Guidelines - Rev. 6 (prev. BWROG-TP-07-026)
BWROG-TP-08-048	112	Inspection of Motor Operated Valve Limatorque AC Motors with Magnesium Rotors - NOT ISSUED (issued in 2009 - BWROG-TP-09-005)

BWROG Technical Products 2007

Number	TAN	Description
BWROG-TP-07-001	317	NEDO 33159 R1 EPU Lessons Learned and Recommendations (prev. rev. 1/2004 - BWROG-TP-04-023)
BWROG-TP-07-002	320	Torus Vent Header Water Accumulation Committee Final Report
BWROG-TP-07-003		NOT ISSUED
BWROG-TP-07-004	112	Guideline for Monitoring and Evaluating Motor Operated Valve Stem Nut Wear (112)
BWROG-TP-07-005	028	Impact of Outage Decisions on Reactivity Management, January 2007
BWROG-TP-07-006	330	Thermal Stratification in BWRs: Interim Operator Guidance
BWROG-TP-07-007	003.A	ECCS Suction Strainers - Completion of Specific Topic Investigation
BWROG-TP-07-008	112	Guideline for Backseating Motor Operated Valves
BWROG-TP-07-009	231	Standard For CRD Exercising Prior to Startup
BWROG-TP-07-010	338	BWR Off Gas Steam System Data Base
BWROG-TP-07-011	338	GENERIC BWR Off Gas Steam Jet Air Ejector Maintenance and Inspection
BWROG-TP-07-012	008	Emergency Procedures Committee - B.5.b White Paper
BWROG-TP-07-013	321	Residual Heat Removal System Database
BWROG-TP-07-014	322	HPCI Turbine Control System Upgrade-GE-NE-0000-0066-7229-RO
BWROG-TP-07-015	028	RCRC OPEX Lessons Learned - NOT ISSUED
BWROG-TP-07-016	006	Recommendation 35-Turbine Electro-Hydraulic Control System;Servo/Solenoids Instal. Practices
BWROG-TP-07-017	341	OPRM Amplitude Setpoint Uncertainty-GHNE-0000-0059-2455-R0
BWROG-TP-07-018	346	Guide for Rec. Pract. for NAMCO MSIV Limit Switches in Boiling Water Reactors
BWROG-TP-07-019	231	Guidelines for Hydraulic Control Unit Maintenance
BWROG-TP-07-020	231	Inadvertent Control Rod Drive (CRD) Withdrawal
BWROG-TP-07-021	327	PTC-SIA Licensing Topical Report
BWROG-TP-07-022	352	Evaluation of Steam Flow Induced Error Impact on L Three Analytic Limit
BWROG-TP-07-023	315	Reactor Coolant System Unidentified Drywell Leakage Summary (spreadsheet for data analysis) – 9/2005 survey data
BWROG-TP-07-024	063	General Electric BWROG Powdered Resin Condensate Polishing Guideline Rev 11. 12/2007 (prev. revision BWROG-TP-06-030)
BWROG-TP-07-025	063	Deep Bed Condensate Polishing Guideline - Rev. 11 Dec. 2007 (prev. 12/2006 - BWROG-TP-06-031)
BWROG-TP-07-026	063	Reactor Water Cleanup System Guidelines - Rev. 5 (ConPol) (prev. revision BWROG-TP-06-032)
BWROG-TP-07-027	112	MPR-2524-B Nov 2007 - Joint Owners Group (JOG) Motor Operated Valve Periodic Verification Program Summary (prev. 11/2006 - BWROG-TP-06-014)

BWROG Technical Products 2006

Number	Tan	Description
BWROG-TP-06-001	337	Nureg-1123-Recommend Revision to Section 2, "Generic Knowledge and Abilities"
BWROG-TP-06-002	186	Reactor Vessel Disassembly Guideline
BWROG-TP-06-003	334	RG 1.97 Rev 2 1982 - Position On NRC Regulatory Guide 1.97 Rev 2
BWROG-TP-06-004	334	NEDO-33280 Rev 0 May 2006 - BWR Application To IEEE-97
BWROG-TP-06-006	236	NEDC-0000-0034-6043 July 2006 - Technical Justification To Support Risk Informed Completion Time Extensions For The Standby Gas Treatment (SGT) System And Main Control Room Environmental Control (MCREC) System For BWR Plants
BWROG-TP-06-007	236	NEDC-0000-0032-9578 July 2006 - Technical Justification To Support Risk Informed Modifications To Selected Technical Specifications For Conditions Leading To Exigent Plant Shutdown For BWR Plants
BWROG-TP-06-008	326	NEDC-33178P Rev 0 July 2006 - General Electric Methodology For Development Of Reactor Pressure Vessel Pressure Temperature Curves
BWROG-TP-06-009	251	NEDO-33148 Rev 2 Aug 2006 - Guidance For Separation Of Loss Of Offsite Power From Large Break LOCA
BWROG-TP-06-010	322	GE-NE-0000-0052-3898 Rev 0 Rev 0 Sept 2006 - Performance & Functional Specification RCIC Turbine Control SU -NOT ISSUED (see: BWROG-TP-06-027)
BWROG-TP-06-011	321	BWROG-06026 Sept 2006 - System Monitoring Assessment Rating Guidelines
BWROG-TP-06-012	335	NEDO-33281 Rev 0 Oct 2006 - Reactor Recirculation Pump Shaft IN 2005-08 Technical Safety Evaluation & Guidance Document
BWROG-TP-06-013	316	NEDO-33160-A Rev 1 Oct 2006 - Regulatory Relaxation For The Post Accident SRV Position Indication System
BWROG-TP-06-014	112	MPR-2524-A Nov 2006 - Joint Owners Group (JOG) Motor Operated Valve Periodic Verification Program Summary (prev. 2/2004 - BWROG-TP-04-033)
BWROG-TP-06-015	236	GE-NE-0000-0024-9858 Rev 3 Rev 1 Nov 2006 - CRD Notching Surveillance Testing For Limerick Generating Station
BWROG-TP-06-016	324	Main Steam Isolation Valve LLRT Protocol & Guidance Document Nov 2006
BWROG-TP-06-017	330	GE-NE-0000-0055-2621 Rev 0 Dec 2006 - Evaluation Of Impact Of Shutting Down The CRD Pumps After Scram & Recirculation Pump Trip
BWROG-TP-06-018	186	SPECIAL NUCLEAR MATERIAL CONTROL GUIDELINE
BWROG-TP-06-019	186	360 Degree Platform Implementation – Lessons Learned
BWROG-TP-06-020	143	PRA ROADMAP
BWROG-TP-06-021	006	Unplanned Capacity Loss Investigation and Results - NOT ISSUED
BWROG-TP-06-022	006	Eliminate Turbine Waste Water and Oil (Slop) Drains (SFRC Rec 33)
BWROG-TP-06-023	006	Install real-time monitoring on large, oil-filled, critical transformers (SFRC Rec 34)
BWROG-TP-06-024	315	Reactor Coolant System Leakage Best Practice Guidelines
BWROG-TP-06-025	112	Joint Owners Group (JOG) Motor Operated Valve Periodic Verification Program Training
BWROG-TP-06-026	112	Joint Owners Group (JOG) Motor Operated Valve Periodic Verification Program Software
BWROG-TP-06-027	322	GE-NE-0000-0052-3898 Rev 0 Rev 0 Sept 2006 - Performance & Functional Specification RCIC Turbine Control System Upgrade
BWROG-TP-06-028	006	2006 SFRC Recommendation Handbook (update: BWROG-TP-09-026)
BWROG-TP-06-029		NOT ISSUED
BWROG-TP-06-030	063	General Electric BWROG Powdered Resin Condensate Polishing Guideline Rev 10. 12/2006 (prev. revision BWROG-TP-05-016)
BWROG-TP-06-031	063	Deep Bed Condensate Polishing Guideline - Rev. 10 Dec. 2006 (prev. 12/2005 - BWROG-TP-05-017)
BWROG-TP-06-032	063	Reactor Water Cleanup System Guidelines - Rev. 4 (ConPol) (prev. revision BWROG-TP-03-040)
BWROG-TP-06-033	330	Thermal Stratification Report - Phase II Finite Element Analysis -BWROG-05015

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Number	Tan	Description
BWROG-TP-06-034	028	RCRC Guideline for Excellence-Section 5.0 - Monitoring of Reactivity Management Issues - Rev. 11 (next issued 3/2009 -BWROG-TP-09-006)
BWROG-TP-06-035	028	RCRC Guideline for Excellence-Section 15.0 Rev. 0 - Reactivity Management Self Assessments

BWROG Technical Products 2005

Number	TAN	Description
BWROG-TP-05-001	236	NEDC-33046-A Jan 2004 - Technical Justification To Support Risk Informed Primary Containment Isolation Valve AOT Extensions For BWR Plants
BWROG-TP-05-002	319	NRC License Exam Software
BWROG-TP-05-003	261	GE Generator Maintenance Basis Document For Four Pole Nuclear Units Rev 1 Feb 2005
BWROG-TP-05-004	261	WTA Maintenance Basis Document Rev 1 Mar 2005
BWROG-TP-05-005	261	GE Alterrex Maintenance Basis Document Rev 3 April 2005
BWROG-TP-05-006	143	White Paper - BWROG IRIR 2000-1 Rev 0 May 2000 - Application Of Probabilistic Safety Assessment To Ranking Of Air Operated Valves
BWROG-TP-05-007	324	BWROG MSIV Testing Document Number 04-A, June 2005 - Main Steam Isolation Valve Testing Position Paper: Appendix J Compliance
BWROG-TP-05-008	260	GE-NE-0000-0031-6498 Rev 0, 6/2/05 - Plant Specific Core Wide DIVOM Procedure Guideline
BWROG-TP-05-009	260	GE-NE-0000-0028-9714 Rev 1, 6/2/05 - Plant Specific Regional Mode DIVOM Procedure Guideline
BWROG-TP-05-010	323	GE-NE-0000-0041-4019-01 Design Implementation (CGCARI)
BWROG-TP-05-011	259	MPR-2555 Rev 2 Sept 2005 - Reactor Recirculation System Engineers Handbook (note: 2013 TA 363)
BWROG-TP-05-012	143	NEDO-33215 Sept 2005 - MSPI Cross Comparison Preliminary Results
BWROG-TP-05-013	205	RACMC-BPG-2005-001 Rev 0 11/15/05 - Spent Nuclear Fuel Dry Cask Storage Best Practices Guideline
BWROG-TP-05-014	006	2005 SFRC Recommendation Tracking Handbook
BWROG-TP-05-015	261	2005-07 Westinghouse Generator Maint Basis Document Rev 0 (MGRI).
BWROG-TP-05-016	063	General Electric BWROG Powdered Resin Condensate Polishing Guideline Rev 9. 12/2005 (prev. revision BWROG-TP-04-031)
BWROG-TP-05-017	063	Deep Bed Condensate Polishing Guideline - Rev. 9 Dec. 2005 (prev. 12/2003 - BWROG-TP-03-039)
BWROG-TP-05-018	028	RCRC Guidelines for Excellence (GFE) Section 6., Rev. 10-Reactivity Mgmt During the Approach to Criticality (update: BWROG-TP-11-019)

BWROG Technical Products 2004

Number	TAN	Description
BWROG-TP-04-001	186	Reactor Vessel Reassembly Guidelines For Excellence
BWROG-TP-04-002	261	GENERA-G080-01 Section D Rev 1 - Alterrex Voltage Regulator Calibration
BWROG-TP-04-003	261	GENERA-G080-01 Section C Rev 7 - Electrical Inspection
BWROG-TP-04-004	261	GENERA-G080-01 Section B Rev 3 - Main And Exciter Generator Insulation Testing
BWROG-TP-04-005	261	Equipment-Specification Maintenance Procedure GE Main Generator & Alterrex Excitation System Static Control
BWROG-TP-04-006	208	Letter Report CPD03067 BWROG D6A15A1 Breaker Grease Program
BWROG-TP-04-007	250	GE-NE-0000-0025-1114 Rev 1 Mar 2004 - BWR/3&4 Reactor Manual Control System And Rod Position Information System Troubleshooting Guide
BWROG-TP-04-008	236	GE-NE-0000-0024-9858 Rev 0 Jan 2004 - CRD Notching Surveillance Testing For Limerick Generating Station
BWROG-TP-04-009	301	FZK Hydrogen Detonation Report Evaluation Of The Structural Integrity Of BWR Typical DN-15 Tubes Under Radiolysis Gas Detonation Loads, Apr 2004
BWROG-TP-04-010	251	NEDO-33148 Apr 2004 - Separation Of Loss Of Offsite Power From Large Break LOCA
BWROG-TP-04-011	028	GNFA Channel Bow Program Update
BWROG-TP-04-012	261	GEK103566b Revised Nov 2003 - Creating An Effective Maintenance Program
BWROG-TP-04-013	308	NEDO-33150-NP Rev 0 Jul 2004 - BWR Residual Heat Removal System Potential For Water Hammer
BWROG-TP-04-014	323	Combustible Gas Control Amended Rule Implementation Hydrogen/Oxygen Design Criteria Rev 1
BWROG-TP-04-015	313	SASDB Training
BWROG-TP-04-016	320	C.D.I Test Plan 04-03 Rev 0 09/20/04 - Test Plan For Evaluating Load Effects Of Water Trapped In Main Vent End Caps
BWROG-TP-04-017	320	C.D.I Scope Of Work 04-03 Rev 0 9/20/04 - Specification For Evaluating Load Effects Of Water Trapped In Main Vent End Caps
BWROG-TP-04-018	250	GE-NE-0000-0025-1114 Rev 2 Sept 2004 - BWR/3&4 Reactor Manual Control System And Rod Position Information System Troubleshooting Guide
BWROG-TP-04-019	250	GE-NE-0000-0025-1107 Rev 3 Sept 2004 - BWR/5 Reactor Manual Control System Troubleshooting Guide
BWROG-TP-04-020	250	GE-NE-0000-0025-1106 Rev 1 Sept 2004 - BWR/6 Rod Control & Information System Troubleshooting Guide
BWROG-TP-04-021	317	NEDO-33168 Rev 0 Oct 2004 - Functional Requirements For Replacement Transversing In-Core Probe (TIP) System
BWROG-TP-04-022	310	BWR Moisture Carryover & Operational Response Guidance, Nov 9, 2004
BWROG-TP-04-023	317	NEDO 33159 Rev 0, Nov 2004 - Extended Power Uprate (EPU) Lessons Learned & Recommendations
BWROG-TP-04-024	317	BWR Moisture Carryover & Operational Response Guidance
BWROG-TP-04-025	310	MPR-2637 Rev 0 Nov 18 2004 - Preserving Electro-Hydraulic Controller (EHC) System Electronics And Components
BWROG-TP-04-026	209	Electrical Safety Lockout / Tagout Process
BWROG-TP-04-027	316	NEDO-33160 Dec 2004 - Regulatory Relaxation For The Post Accident SRV Position Indication System
BWROG-TP-04-028	006	2004 SFRC Recommendation Tracking Handbook
BWROG-TP-04-029	231	Guidelines for Control Rod Guide Tube Vacuuming-Rev 0/July, 2004 (revision BWROG-TP-11-029)
BWROG-TP-04-030	231	Cooling Water Differential Pressure Degradation-Rev 0/September, 2004
BWROG-TP-04-031	063	General Electric BWROG Powdered Resin Condensate Polishing Guideline Rev 8. 12/2004 (prev. revision - BWROG-TP-03-038)
BWROG-TP-04-032	191	2004-10-NEDO-33163 (Final)-BWROG-04027-NON-PROPRIETARY - High Burn Up BWR Fuel Rod Gap Release Fractions

BWROG Technical Products 2004

Number	TAN	Description
BWROG-TP-04-033	112	MPR-2524 Rev. 0 -February, 2004- - Joint Owners Group (JOG) Motor Operated Valve Periodic Verification Program Summary (BWROG-TP-06-014)
BWROG-TP-04-034	028	Guidelines for Excellence Section 3.0: Reactivity Management Training Programs (Revision 10) (update: BWROG-TP-09-007)
BWROG-TP-04-035	205	Reload Analysis and Core Management Committee (RACMC) Best Practice Guideline - Core Performance Monitoring Rev. 1 (update: BWROG-TP-09-008)
BWROG-TP-04-036	028	Guidelines for Excellence Section 1.0: Reactivity Management Policies and Program (Revision 10) (update: BWROG-TP-09-022)
BWROG-TP-04-037	028	2005-07-22 Guideline Section 9 Rev 10 - Power Ascension (RCRC 028) (update: BWROG-TP-11-009)

BWROG Technical Products 2003

DocID	Tan	Description
BWROG-TP-03-001	302	Rev 0 Jan 2003 - Main Steamline Isolation Valve 4-Way Pilot Operated Air Control Valve Design Assessment
BWROG-TP-03-002	251	GE-NE-0000-0004-4451 - Non-Traditional LOCA Issues
BWROG-TP-03-003	236	NEDC-32988-A Rev 2 Dec 2002 - Technical Justification To Support Risk Informed Modification To Selected Required Action End States For BWR Plants
BWROG-TP-03-004	205	RACMC-BPG-97002 Rev 2 3/17/03 - Reload Fuel Design Change Activites Best Practices Guideline
BWROG-TP-03-005	250	GE-NE-0000-0001-3753-01 Rev 0 Feb 2003 - BWROG Rod Control System Reliability Improvement Effect Of BWR 5/6 Reset Action On Electronic Components
BWROG-TP-03-006	252	NEDE-33097 Rev 0 MPR-2440 Rev 0 March 2003 - Guide For Addressing Leaking Safety / Relief Valves In Boiling Water Reactors
BWROG-TP-03-007	252	Technical Paper BWROG-SRVL-02-A Rev 0 March 2003 - Lifting Of Main Steam Safety / Relief Valves During Plant Startup
BWROG-TP-03-008	305	NEDE-33108 Rev 0 MPR-2093 Rev 2 May 2003 - BWROG DC Motor Performance Methodology Predicting Capability & Stroke Time In DC Motor Operated Valves (Including Reliance Motors)
BWROG-TP-03-009	261	Modification Number M12-3-98-001 Rev 0 July 30 1998 - ComEd Dresden Nuclear Station U3 Design Input Requirements Replacement Of Unit 3 Main Generator Voltage Regulator With Cutler Hammer WTA 300B Automatic Voltage Regulator
BWROG-TP-03-010	258	GENE Drwg No 22350-1 June 18 2003 - General Electric Reactor Feed Pump Turbine Safety System Surveillance Test Intervals - Analysis Of Data Set For Possible Extension Of Test Intervals
BWROG-TP-03-011	261	Double Frequency Negative Sequence Monitor / Relay (DFI2)
BWROG-TP-03-012	250	BWR/5 Reactor Manual Control System Troubleshooting Guide Rev 1 May 2003
BWROG-TP-03-013	181	RCA-92-032 June 23 2003 Interim DAEC MSIV LLRT Failure Root Cause Analysis - Ref GE-NE-126-L046-0693 7-17-01
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BWROG-TP-80S-065	1989-048	EAS 25-0489 July 1989 - Evaluation Of Logic System Functional Testing Methods
BWROG-TP-80S-066	1989-051A	24A1992 Rev A Oct 1989 - NUMAC Leak Detection Monitor
BWROG-TP-80S-067	1989-054	NEDO-31709 June 1989 - Average Core Power During Large Core Thermal Hydraulic Oscillations In A BWR
BWROG-TP-80S-068	1989-055	Recirculation Pump Overhaul Outage Planning Guide Nov 1989
BWROG-TP-80S-069	1989-055	PED-44-0889 Aug 1989 - Duane Arnold Recirculation Pump Shaft Load Definition Analyses
BWROG-TP-80S-070	1989-055	89-178-013 Metallurgical Evaluation Of Recirculation Pump Shaft And Heat Exchanger From Kernkraftwerk Leibstadt
BWROG-TP-80S-071	1989-055	SR-0651 Rev B Sept 1989 - Shutdown Of Cooling Water To Cover Holes In GE BWR/3, 4, 5 Recirculation Pumps
BWROG-TP-80S-072	1989-055	PED-39-0889 Aug 1989 - Bingham Recirculation Pump Shaft Load Definition Analyses
BWROG-TP-80S-073	1989-073	SASR 89-49 Aug 1989 - Crack Growth Evaluation Of Ultra Sonic Indications In The Recirculation Piping At Dresden 2
BWROG-TP-80S-074	1989-11	PED-61-1189 Nov 1989 - BWROG Report On The High Pressure Coolant Injection & Reactor Core Isolation Cooling Systems Performance & Operations Evaluation
BWROG-TP-80S-075	1989-Reports	ANF-1242 7/27/89 - ANF Analysis Of The Fuel Thermal Margin During Thermal Hydraulic Instabilities In A BWR
BWROG-TP-80S-076	1989-Reports	EAS-68-1089 Oct 1989 - Scram Frequency Reduction Plant Specific Program Visit To Monticello Nuclear Generating Plant
BWROG-TP-80S-077	1989-Reports	89-689-014 Oct 1989 - Autoclave Testing Of Target Rock SRV Pilot Discs
BWROG-TP-80S-078	1989-Reports	NEDO-31695 May 1989 - BWR Suppression Pool Temperature Technical Specification Limits
BWROG-TP-80S-079	1989-Reports	NEDO-31757 Nov 1989 - Reduced Control Rod Drop Accident Low Power Setpoint
BWROG-TP-80S-080	1989-Reports	SASR 89-59 Oct 1989 - Implementation Of Regulatory Guide 1.99 Rev 2 For Clinton Power Station Unit 1
BWROG-TP-80S-081	1987-112	1987-1992 MOV Mispositioning (BWROG).pdf
BWROG-TP-80S-082	062 and 008	NEDO-31331 Rev 4 March 1987 - Emergency Procedure Guidelines
BWROG-TP-80S-083	006	Recirculating Lube Oil Pump System Logic Evaluation

BWROG Technical Product 1970's

Number	File	Description
BWROG-TP-70S-001	062	NEDC-12688 Dec 1977 - BWR Radiation Level Surveillance

BWROG BP 2012-2020 (Part 1 of 2)

Number	TAN	Description
BWROG-BP-12-001	009	BWROG Outage Management Grand Gulf Benchmark Product (Rev. 0)
BWROG-BP-12-002	333	Exelon Dresden Assist Visit
BWROG-BP-13-001	186	Refueling Performance - Cooper Station Refuel Floor Benchmark Product (Rev. 0)
BWROG-BP-14-001	062	Radiation Protection - Dresden ISFSI Benchmark Product (Rev. 0) of 2013-07
BWROG-BP-14-002	365	RCIC Benchmark Product (Plant Hatch) Rev. 0
BWROG-BP-14-002	365	RCIC Benchmark Product (Columbia) Rev. 1 (Note: This revision was not added to this spreadsheet until 10/24/16)
BWROG-BP-14-002	365	RCIC Benchmark Product (Browns Ferry) Rev. 2
BWROG-BP-14-003	009	Dresden Outage Benchmark (Outage Control Center (OCC) effectiveness, schedule adherence, and scope control) Rev. 0
BWROG-BP-14-004	009	River Bend Outage Scoping Process Benchmark Rev. 0
BWROG-BP-14-005	062	Susquehanna Radiological Protection Instrumentation Program Benchmark Product Rev. 0
BWROG-BP-14-006	009	Cofrentes Outage Benchmark and Preparation Assist Visit - Rev. 0
BWROG-BP-14-007	186	KKL Benchmark Visit
BWROG-BP-15-001	062	BWROG RP/ALARA: LaSalle Station Source Term Reduction Benchmark Product (Rev.0)
BWROG-BP-15-002	186	Refuel Performance: 2015 Meeting Roundtable Benchmark Rollup Benchmark (Rev. 0),
BWROG-BP-15-003	062	BWROG RP/ALARA: Monticello Dose Planning / Dose Reporting (Rev. 0),
BWROG-BP-15-004	009	Outage Management Dresden Benchmark 2015 OMC: Dresden Radiation Protection and Maintenance Effectiveness Benchmark (Rev. 0)
BWROG-BP-16-001	186	Refueling Performance Committee, 2016 Assist Visit of Monticello: An assessment of the Monticello Refuel Floor Preparation Activities for RFO28 (Rev. 0)

BWROG BP 2012-2020 (Part 2 of 2)

Number	TAN	Committee	Revision	Description
BP16-1-186	186	Refueling Perf	0	2016 Meeting Roundtable Benchmark Rollup
BP16-1-062	62	RP/ALARA	0	Benchmark Product: BWROG RP/ALARA (LaSalle High Efficiency - Ultrasonic Fuel Cleaning Benchmark)
BP17-1-009	9	OM	0	Oconee Benchmark 2017 / Minor Maintenance
BP17-1-062	62	RP/ALARA	0	Dresden Outage Execution
BP17-1-186	186	Refueling Perf	0	Refueling Performance Committee - 2017 Benchmark / Assist Visit at Cofrentes
BP17-1-325	325	RWCUSI	0	Browns Ferry Nuclear Plant Assist Visit
BP17-1-333	333	BWR I&C Maint	0	SNC Plant Hatch Assist Visit
BP17-2-186	186	Refueling Perf	0	Refueling Performance Committee - Supplemental Refuel Floor Worker Survey
BP17-2-325	325	RWCUSI	0	PSEG Hope Creek Plant Assist Visit
BP17-2-333	333	BWR I&C Maint	0	Talen Energy SSES Assist Visit
BP18-1-186	186	Refueling Perf	0	2018 Benchmark / Assist Visit at Perry
BP18-1-389	389	ECCS SI	3	ECCS Benchmarking (Quad Cities, Browns Ferry, Columbia, and Plant Hatch)
BP19-1-001	1	IM Program	0	2019 Assist Visit - Cofrentes Reliability Reinforcement Plan
BP19-1-186	186	Refueling Perf	0	2019 Browns Ferry Nuclear Assist Visit
BP19-1-325	325	RWCUSI	0	2019 Assist Visit - Columbia Station Increasing Differential Flow
BP19-1-376	376	BWR6 RCIS	0	KKL FAT Benchmarking
BP20-1-009	9	OM	0	2020 Benchmark - Duke Energy Catawba Outage Readiness, Preparation, Excellence
BP20-1-325	325	RWCUSI	0	2020 Assist Visit - River Bend Nuclear Generating Station