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June 25, 2010

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Re: Northern States Power Co. (Prairie Island Nuclear Generating Plant, Units 1 and 2), Docket Nos. 50-282-LR & 50-306-LR, ASLBP No. 08-871-01-LR

Dear Parties:

On June 18, 2010, Northern States Power Company – a Minnesota Corporation ("NSPM") filed its initial disclosures regarding the Prairie Island Indian Community's safety culture contention. In addition to documents identified in a production log, those disclosures included the following documents identified more generally by category and location: (1) e-mails and electronic documents produced by Brian Slack regarding the component cooling water system; and (2) documents from a search of PINGP's SharePoint records system. NSPM's disclosure stated that a listing of these additional categories would be provided shortly.

Attachment 1 provides a listing of documents in those two categories that have been identified as relevant to the safety culture contention as admitted, other than those for which a claim of privilege or protected status is being made. The documents and data compilations listed in Attachment 1 are available for review and copying at (1) the Prairie Island Nuclear Generating Plant Training Center, 1660 Wakonade Drive West, Welch, MN; and (2) the Offices of Pillsbury Winthrop Shaw Pittman LLP, 2300 N Street N.W., Washington D.C. A listing of documents in those two categories that are proprietary is

provided in Attachment 2. A listing of documents in those two categories that are privileged is provided in Attachment 3.

Sincerely,

/Signed Electronically by David R. Lewis/

David R. Lewis
Counsel for Northern States Power Co.

cc: Service List
Attachments

CERTIFICATE OF SERVICE

I hereby certify that copies of NSPM's notification to the parties dated June 25, 2010, was provided to the Electronic Information Exchange for service on the individuals listed below, this 25th day of June, 2010.

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/Signed electronically by David R. Lewis/

David R. Lewis

ATTACHMENT 1

Northern States Power Co.
Prairie Island Nuclear Generating Plant, Units 1 and 2 License Renewal Proceeding
Docket Nos. 50-282-LR, 50-306-LR; ASLBP No. 08-871-01-LR
Supplemental Production Log for NSPM's Initial Disclosures Regarding Safety Culture Contention (June 25, 2010)

Document Number	Description
PROD00015073	8/28/2006 Action Request Record Report # 01010260 RE: Evaluate NRC Safety Culture Initiative Summary Results
PROD00015074	NMC Employee Concerns Program Policy, 2/14/02
PROD00015075	7/15/2009 Risk Management for Supervisors
PROD00015076	5/25/2005 NMC FLEET - Communication Skills For Supervisors
PROD00015077	4/30/2007 NMC FLEET Leadership Development - Supervisory Training
PROD00015078	Matrix of INPO and NRC principles re human performance
PROD00015079	7/31/07 Organizational Excellence Performance Indicators
PROD00015080	Monticello/Prairie Island Fitness for Duty Handbook, Rev. 7
PROD00015081	03/29/2010 Record of Revision - PI EAL Reference Manual
PROD00015082	Response to NRC - Refueling Cavity Water Seal
PROD00015083	50.59 Screening re Revisions of Procedures to support Lock valves to assure that Component Cooling water is permanently isolated from the Turbine building
PROD00015084	05/11/1995 PINGP Operations Committee Meeting Minutes re Unite 2 Outage Preparation
PROD00015085	09/10/2003 Employee Concerns Program template
PROD00015086	02/10/2005 Human Performance Program and error reduction tools establishment
PROD00015087	10/16/2003 letter from P. Louden of NRC to J. Solymossy re PINGP NRC Problem Identification and Resolution Inspection Report
PROD00015088	01/23/2004 letter from P. Louden of NRC to J. Solymossy re PINGP NRC Integrated Inspection Report
PROD00015089	12/10/2003 letter from J. Solymossy to NRC re PINGP Safety Evaluation Summary Report
PROD00015090	01/07/2004 letter from J. Solymossy to NRC re PINGP Unit 2 Inservice Inspection Summary Report, Interval 3, Period 3
PROD00015091	04/28/2004 letter from K. Gruss of NRC to J. Solymossy re PINGP NRC Integrated Inspection Report
PROD00015092	07/29/2004 letter from M. Shuaibi of NRC to J. Solymossy re PINGP NRC Integrated Inspection Report
PROD00015093	10/29/2004 letter from A.M. Stone of NRC to J. Solymossy re PINGP NRC Integrated Inspection Report
PROD00015094	04/25/2003 letter from P. Louden of NRC to J. Solymossy re PINGP NRC Integrated Inspection Report
PROD00015095	01/30/2004 Nuclear Oversight 4th Quarter 2003 Assessment Report for Prairie Island
PROD00015096	04/30/2003 Nuclear Oversight 1st Quarter 2003 Assessment Report for Prairie Island
PROD00015097	05/13/2004 Nuclear Oversight 1st Quarter 2004 Assessment Report for Prairie Island
PROD00015098	08/19/2004 Nuclear Oversight 2nd Quarter 2004 Assessment Report for Prairie Island
PROD00015099	09/30/2004 Nuclear Oversight 3rd Quarter 2004 Assessment Report for Prairie Island

Document Number	Description
PROD00015100	08/08/2003 Nuclear Oversight 2nd Quarter 2003 Assessment Report for Prairie Island
PROD00015101	Nuclear Oversight 3rd Quarter 2003 Assessment Report for Prairie Island
PROD00015102	Reactor Coolant System Unit 1
PROD00015103	Reactor Coolant System Pressure Isolation Check Value Leakage Test
PROD00015104	Containment Penetration Outrage Preparation and Outrage Restoration Procedure
PROD00015105	Leakage examination of canopy seals, mechanical joints and other pressure retaining components on the reactor vessel head
PROD00015106	Work Order: BA at body-to-bonnet joint-22
PROD00015107	2003 Cavity Leakage Observations and Action Request
PROD00015108	Email from R. Bes to Engineer System Group, Operations shift managers, Re: 2003 PINGP Equipment Performance Annual Report
PROD00015109	06/02/04 "Continuous Use Procedure Day" Notes, Surveys and Report and Self-Assessments
PROD00015110	08/18/06 Action Request Record Report - Corrective Actions on the Non-CAP side of track
PROD00015111	09/12/04 Action Request - Refueling Cavity Leakage
PROD00015112	09/12/04 Action Request - Boric Acid Accumulation
PROD00015113	09/13/04 Activity Request - Evidence of Internal boric acid
PROD00015114	10/31/04 Activity Request - Boric Acid Leak Discovered
PROD00015115	08/18/06 Action Request Record Report - Cooling Water Leak
PROD00015116	01/28/05 NMC Today - Newsletter for PINGP and 02/07/05 Action Request on Unfinished CAPs
PROD00015117	March 2005 Maintenance Training Program Self Evaluation
PROD00015118	04/05/05 PINGP Emergency Preparedness Readiness Assessment
PROD00015119	03/12/05 Action Request - Self-Assessment of PINGP Repeat Maintenance Program
PROD00015120	04/29/05 Activity Request - Organizational Effectiveness Assessment with regard to personnel performance management plans
PROD00015121	7/21/2006 Action Request Record Report CAP 01033734 redry boric acid on 11 RCP seal housing
PROD00015122	2/5/2009 Action Request Report Record CAP 01052607 re adverse trend CAP due date extensions
PROD00015123	1/25/2007 Action Request Report Record Report CAP 01062477 re standing water found in 21 RCP pump bowl
PROD00015124	3/4/2009 Action Request Record Report re refuel cavity leakage walkdown
PROD00015125	11/2/2009 Action Request Record Report rev 2 CAP 01072605 re revised U2 FW analysis has new HELB cracks
PROD00015126	3/10/2008 Action Request Report Record CAP 01082918 re Common Human Performance Occurrence
PROD00015127	6/6/2009 Action Request Record Report re DRUM PI has not been effective at resolving issues through CAP
PROD00015128	3/23/2009 Action Request Record Report CAP 01088616 re operation adverse trend in human performance
PROD00015129	1/11/2008 Action Request Record Report CAP 01097220 re negative trend in overdue caps
PROD00015130	1/7/2008 Action Request Record Report CAP 01100052 re QA finding CAPR closed without completion

Document Number	Description
PROD00015131	3/14/2008 Action Request Record Report re struggle with full implementation of the CAP program tracking/trending process
PROD00015132	4/22/2008 Action Request Record Report re FSA- Culture Survey finding a priority
PROD00015133	4/2/2009 Action Request Report Record re FSA Perform safety culture survey
PROD00015134	7/7/2008 Action Request Record Report re errors in administration of level A and B CAPs
PROD00015135	Action Request Record Report for the Prairie Island facility. Dtd 12/13/2007
PROD00015136	Action Request Report 02/27/2008 - CAP Reopened
PROD00015137	Action Request Report 02/18/2008 - CAP Reopened
PROD00015138	Action Request Report 03/17/2009 - CAP - 4 Training programs Red
PROD00015139	Action Request Record Report 12/14/2009 Rev 2 CAP analyses
PROD00015140	Action Request Report 02/08/2008 - CAP re to Performance Improvement
PROD00015141	Action Request Report 02/08/2008 - CAP re to Human Errors. See Human Performance Event Investigative Tool on page 13
PROD00015142	Action Request Report 03/27/2008 - CAP re to Performance Improvement - CAP Closure Procedures
PROD00015143	Action Request Report 07/07/2008 - CAP re Performance Improvement to CAP deficiencies
PROD00015144	02/13/2008 Action Request Report - CAP re to Performance Improvement - Cross-Cutting issues.
PROD00015145	06/24/2008 Action Request Report - CAP re to Eng Sys NSSS/Reactor - Borated water leakage.
PROD00015146	05/14/2008 Action Request Report - CAP re to Eng Sys NSSS/Reactor - Borated water leakage.
PROD00015147	05/13/2008 Action Request Record Report - Performance Improvement - Corrective Actions
PROD00015148	10/20/2008 Action Request Record Report - CAP re 2 issues with CAP
PROD00015149	10/20/2008 Action Request Record Report - CAP re main turbine 5 year inspection revealed a closed pump that had to be opened. See page 2
PROD00015150	03/09/2008 Action Request Record Report - CAPs re Refueling Cavity leak
PROD00015151	03/09/2008 Action Request Record Report - CAPs re Refueling Cavity leak and Boric Acid / Borated Water
PROD00015152	03/13/2008 Action Request Record Report - CAPs re Refueling Cavity leak and boric acid / borated water
PROD00015153	03/27/2008 Action Request Record Report - QA / Nuc Oversight - re mispositioned valve
PROD00015154	03/27/2008 Action Request Record Report - QA / Nuc Oversight - re component cooling water system design functions
PROD00015155	04/04/2008 Action Request Record Report - Performance Improvement - re CAP improvements
PROD00015156	4/11/2008 Action Request Record Report - Operations Support- re human errors
PROD00015157	04/24/2008 Action Request Record Report - Performance Improvement- Cross- Re: Cutting Index
PROD00015158	03/27/2008 Action Request Record Report - Performance Improvement - re weakness in recognizing significant issues that warrant creating a CAP.
PROD00015159	11/06/2008 Action Request Record Report # 01144381 RE: Trend in CAPs Awaiting Trending For Closeout
PROD00015160	7/21/2008 Action Request Record Report - Adverse Trend Noted During 2nd Quarter Engineering DRUM Report

Document Number	Description
PROD00015161	7/22/2008 Action Request Record Report # 01144922 re: Potential Trend in Worker Practices
PROD00015162	04/03/2009 Action Request Record Report
PROD00015163	11/10/2008 Action Request Record Report CAP Screened to wrong severity level
PROD00015164	10/03/2008 Action Request Record Report Safety Culture Assessment Review
PROD00015165	1/14/2009 Action Request Record Report assessment for incorrect CAP classifications
PROD00015166	02/12/2009 Action Request Record Report - CAPS closed without evaluations
PROD00015167	11/17/2008 Action request Record Report - Improper closure of CAPS for ALARA planning issues
PROD00015168	01/15/2009 Action Request Record Report - Inappropriate Closure of B Level CAP Actions
PROD00015169	02/09/2009 Action Request Record Report - No CAP issued for ACE Failain Grading Criteria
PROD00015170	10/4/2008 Action Request Record Report # 01153803 RE: CC Leaks from Restoration of Pump and Subsequent Reisolation
PROD00015171	10/10/2008 Action Request Record Report # 01154831 RE: Potential Adverse Trend in Conservative Assumptions
PROD00015172	10/10/2008 Action Request Record Report # 01154838 RE: Potential Adverse Trend in Corrective Actions
PROD00015173	10/14/2008 Action Request Record Report # 01155223 RE: adverse trend: cap screen team assigned actions not taken
PROD00015174	11/17/2008 Action Request Record Report # 01159448 RE: USA Safety Culture FSA Weakness #2 - Work Force Planning
PROD00015175	11/17/2008 Action Request Record Report # 01159473 RE: USA Safety Culture FSA Weakness #3 - Lack of Confidence
PROD00015176	11/17/2008 Action Request Record Report # 01159478 RE: Safety Culture FSA Weakness #4 - Culture of Prevention
PROD00015177	11/28/2008 Action Request Record Report # 01160725 RE: Various CAP Processing Milestone Issues
PROD00015178	12/8/2008 Action Request Record Report # 01161675 RE: RCE 1157726 Identified Potential safety Culture Issues
PROD00015179	5/11/2009 Action Request Report re: NRC questions on refueling pool leakage
PROD00015180	6/26/2009 Action Request Record Report re: reopened CAP due to actions not adequate to close the issue
PROD00015181	5/10/2010 Action Request Record Report re: CAP concerned with personnel risk tolerance
PROD00015182	5/11/2010 Action Request Record Report re: personnel failing to use the Human Performance tools-CAP
PROD00015183	8/28/2009 Action Request Record Report re: EP related weaknesses that have not been resolved using the CAP
PROD00015184	9/25/2009 Action Request Record Report re: Corrective Action closed without task being done-CAP
PROD00015185	8/28/2009 Action Request Record Report re: CAP went past due date without actually been corrected
PROD00015186	8/6/2009 Action Request Record Report re: CAP closed without actual task completion
PROD00015187	8/25/2009 Action Request Record Report re: CAPs exceeded due dates without completion
PROD00015188	10/12/2009 Action Request Record Report re: CAP closed without actual task completion

Document Number	Description
PROD00015189	10/12/2009 Action Request Record Report re: CAP closed without actual task completion
PROD00015190	11/2/2009 Action Request Record Report re: CAP closed without actual task completion
PROD00015191	9/16/2009 Action Request Record Report re: CAP closed without actual task completion
PROD00015192	10/1/2009 Action Request Record Report re: CAP closed without actual task completion
PROD00015193	11/19/2009 Action Request Record Report regarding site cross cutting index
PROD00015194	Action Request Record Report RE: Examples or CAPs not being screened in a timely manner (3/19/2010) and attachment.
PROD00015195	Action Request Record Report RE: Possible Human Performance Error Trap, D5.2 "Rx Refueling" (3/18/2010).
PROD00015196	Action Request Record Report RE: Opened relief valve SA-54-3, D1 DSL Gen Main Air Rcvr Relief (5/19/2010) and attachments.
PROD00015197	Action Request Record Report RE: "5" level CAP incorrectly closed (5/5/2010) and attachments.
PROD00015198	Action Request Record Report RE: Two Corrective Actions not performed as requested (5/5/2010).
PROD00015199	Action Request Record Report RE: PI Security long-term positive trend; human performance (5/18/2010).
PROD00015200	Action Request Record Report RE: Human Performance Error Trap on Unit 2 PW Sample Cooler (5/21/2010).
PROD00015201	Action Request Record Report RE: CAP action completion performed on the wrong form (5/10/2010).
PROD00015202	Emergency Plan Drill Conducted on Nov. 5, 2003 Critique Report (12/9/2003)
PROD00015203	Safety Conscious Work Environment (SCWE) issues from the Regulatory information (4/8/2004)
PROD00015204	Human Performance Error during Solid State Protection System and Reactor Trip Breaker Operability Testing Results in Vogtle Unit 2 Reactor Trip
PROD00015205	Action Request Record Report - Internal OE DAEC RCE001035 (5/8/2006) and attachments.
PROD00015206	Action Request Record Report - Performance of NRC Licensed Individuals While on Duty with Respect to Control Room attentiveness (11/8/2007) and its attachments.
PROD00015207	Action Request Record Report - An approach for determining the technical adequacy of probabilistic risk assessment results for risk-informed activities. (3/20/2008) and its attachments.
PROD00015208	Action Request Record Report - Station OE Evaluation of INPO LHRA and HRA Good Practices (6/2/2008) and attachments.
PROD00015209	Action Request Record Report - Human Performance Analysis determined a driver to be coaching and engagement (5/9/2008) and attachments.
PROD00015210	06/06/3008, Author: G. Woodhouse, AT-0175 Action Request Record Report, Re: Results of Material Control and Accounting Baseline Inspections Conducted at Nuclear Power Reactors and Wet Storage Sites
PROD00015211	06/24/2008, G. Woodhouse, AT-0175 Action Request Record Report, Re: Evaluation of discrepancies at Plant's Boiler Licensing Program
PROD00015212	09/19/06 Action Record Request on Revision to 11 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedures
PROD00015213	09/21/06 Action Request Record Report - Revisions to 11 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedures

Document Number	Description
PROD00015214	09/22/06 Action Request Record Report - Revision to Reactor Coolant System Integrity Test Procedure
PROD00015215	09/25/06 Revision to 22 Turbine Driven Aux Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00015216	01/12/07 Action Request Record Report - Changes to 11 Turbine Driven Aux Feed Refueling Inspection Maintenance Procedures
PROD00015217	09/06/07 Action Request Record Report - Changes to 11 Turbine Driven Aux Feed Pump Maintenance Procedures
PROD00015218	10/04/06 Action Request Record Report - Changes to Boric Acid Corrosion Control Program
PROD00015219	10/17/07 Action Request Record Report - changes to Boric Acid Corrosion Examinations
PROD00015220	01/12/07 Action Request Record Report - changes to 11 Turbine Driven Aux Feed Pump Refueling Inspection Maintenance Procedures
PROD00015221	10/16/06 Action Request Record Report - changes to 22 Turbine Driven Aux Feed Pump Refueling Inspection Maintenance Program
PROD00015222	10/17/07 Action Request Record Report - changes to Reactor Coolant System Integrity Test procedures
PROD00015223	09/05/06 Action Request Record Report - changes to Auxiliary Feedwater System Design Bases Document
PROD00015224	10/03/06 Action Request Record Report - changes to Design Bases Document for the Cooling Water System
PROD00015225	10/11/06 Action Request Record Report - changes to Reactor Coolant System Integrity Test
PROD00015226	01/12/07 Action Request Record Report - changes to 11 Turbine Driven Aux Feed Pump Refueling Inspection maintenance procedure
PROD00015227	10/23/06 Action Request Record Report - changes to Conduct of Operations Section Work Instructions
PROD00015228	01/04/08 Action Request Record Report - changes to 11 Turbine Driven Aux Feed Pump Refueling Inspection maintenance procedure
PROD00015229	10/23/06 Action Request Record Report - changes to 22 Turbine Driven Aux Feed Pump Inspection maintenance report
PROD00015230	12/04/06 Action Request Record Report - changes to 22 Turbine Driven Aux Feed Pump Refueling Inspection maintenance report
PROD00015231	04/17/08 Action Request Record Report - High Energy Line Break/Leak Plant Safety Procedures
PROD00015232	01/15/07 Action Request Record Report - changes to 22 Turbine Driven Aux Feed Pump Refueling Inspection
PROD00015233	01/25/08 Action Request Record Report - changes to 12 Diesel Cooling Water Pump Inspection Maintenance Procedure
PROD00015234	04/11/07 Action Request Record Report - changes to Boric Acid Corrosion Control Program
PROD00015235	10/18/07 Action Request Record Report - changes to 22 Turbine Driven Aux Feed Pump Refueling
PROD00015236	07/06/07 Action Request Record Report - changes to Plant Equipment Control Process, specifically Valves
PROD00015237	10/22/07 Action Request Record Report - Leak Mgmt Program
PROD00015238	10/22/07 Action Request Record Report - changes to Boric Acid Corrosion Control Program
PROD00015239	11/19/07 Action Request Record Report - Leak Management Program
PROD00015240	10/22/07 Action Request Record Report - Boric Acid Corrosion Program

Document Number	Description
PROD00015241	02/15/08 Action Request Record Report - changes to Responsibilities of the Radiation Survey Teams during a Radioactive Airborne Release
PROD00015242	01/10/08 Action Request Record Report - changes to 11 Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00015243	01/29/08 Action Request Record Report - 22 Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00015244	05/12/08 Action Request Record Report - changes to TDAFWP Turbine Minor Periodic Maintenance
PROD00015245	05/12/08 Action Request Record Report - changes to TDAFWP Turbine Major Periodic Maintenance
PROD00015246	05/12/08 Action Request Record Report - 22 Turbine Driven Aux Feed Pump Controls Calibration and Maintenance
PROD00015247	09/23/08 Action Request Record Report - Operations Emergency Surveys
PROD00015248	12/21/07 Action Request Record Report - Boric Acid Corrosion Control Program
PROD00015249	04/24/09 Action Request Record Report - Boric Acid Corrosion Program
PROD00015250	7/1/2008 AT-0175 Action Request Record Report re: new tube plugging limit for CCHX on H21
PROD00015251	5/5/2009 AT-0175 Action Request Record Report re: boric acid corrosion examinations inside containment
PROD00015252	5/5/2009 AT-0175 Action Request Record Report re: boric acid corrosion examinations inside containment.
PROD00015253	4/30/2008 AT-0175 Action Request Record Report re: revisions to Industrial Safety Work Practices
PROD00015254	4/30/2008 AT-0175 Action Request Record Report re: procedure revision for Isolation, Restoration, & Testing of 22 Aux Feed Pump
PROD00015255	2/27/08 AT-0175 Action Request Record Report re: Emergency Preparedness Drill/Exercise Worksheet Rev 2
PROD00015256	2/18/08 AT-0175 Action Request Record Report re: changes to bypass procedure to remove human performance trap
PROD00015257	7/1/08 AT-0175 Action Request Record Report re: reactor Vessel Bottom Head Bare Metal Visual Examination
PROD00015258	2/20/08 AT-0175 Action Request Record Report re: Isolation, Restoration and Testing of 11 Aux Feed Pump
PROD00015259	2/27/08 AT-0175 Action Request Record Report re: revisions to Drill/Exercise Objectives Matrix
PROD00015260	4/30/08 AT-0175 Action Request Record Report re: H2, Boric Acid Corrosion Control Program Rev 12
PROD00015261	5/1/08 AT-0175 Action Request Record Report re: Industrial Safety Work Practices Rev 7
PROD00015262	7/31/09 AT-0175 Action Request Record Report re: F10 App D, Significant Hazard Events
PROD00015263	2/27/08 AT-0175 Action Request Record Report re: One time use TCR 11 TDAFWP Minor Periodic Maintenance
PROD00015264	6/11/09 AT-0175 Action Request Record Report re: change to CC HX travel stop action procedures
PROD00015265	6/11/09 AT-0175 Action Request Record Report re: CC HX travel stop action procedures.
PROD00015266	7/1/08 AT-0175 Action Request Record Report re: revision of 5AWI 15.6.0 to reference one source commitment to NRC that had not been previously referenced in Table 5, and change from CHAMPS commitment numbers to Passport.

Document Number	Description
PROD00015267	4/17/08 AT-0175 Action Request Record Report re: revision of procedures to check positions of manual isolation valves on cooling water system branch lines during seismic activity.
PROD00015268	4/18/08 AT-0175 Action Request Record Report re: revisions of SWI O-10 to correct and update commitment information and Passport AR numbers
PROD00015269	12/09/08 AT-0175 Action Request Record Report re: incorporate TCR to SP 1070 Rev 38 (Reactor Coolant System Integrity Test)
PROD00015270	7/17/08 AT-0175 Action Request Record Report re: suggested procedure enhancements to 5AWI 3.6.0 Rev 23 Reporting and NRC Notices of Violation
PROD00015271	12/2/08 AT-0175 Action Request Record Report re: Loss of All Safeguards AC Power
PROD00015272	12/2/08 AT-0175 Action Request Record Report re: Loss of All Safeguards AC Power
PROD00015273	7/31/08 AT-0175 Action Request Record Report re: Isolation, Restoration and Testing of 11 Aux Feed Pump
PROD00015274	5/12/08 AT-0175 Action Request Record Report re: Earthquakes
PROD00015275	4/23/08 AT-0175 Action Request Record Report re: Unit 1 Shutdown
PROD00015276	4/23/08 AT-0175 Action Request Record Report re: Isolation, Restoration and Testing of 11 Aux Feed Pump
PROD00015277	7/17/08 AT-0175 Action Request Record Report re: Isolation, Restoration and Testing of 11 Aux Feed Pump Rev 1
PROD00015278	7/17/08 AT-0175 Action Request Record Report re: Isolation, Restoration and Testing of 11 Aux Feed Pump Rev 1
PROD00015279	4/7/09 AT-0175 Action Request Record Report re: Reactor Coolant System Integrity Test SP 1070 Rev 38
PROD00015280	10/02/08 AT-0175 Action Request Record Report re: Reactor Coolant System Integrity Test SP 2070 Rev 36
PROD00015281	5/12/08 AT-0175 Action Request Record Report re: Earthquakes AB-3 Rev 25
PROD00015282	5/12/08 AT-0175 Action Request Record Report re: Unit 1 Shutdown 1C1.3 Rev 61
PROD00015283	5/12/08 AT-0175 Action Request Record Report re: Unit 2 Shutdown procedure 2C1.3 Rev 61
PROD00015284	9/3/08 AT-0175 Action Request Record Report re: Shutdown from Outside the Control Room - Unit 2
PROD00015285	9/3/08 AT-0175 Action Request Record Report re: Cooldown from Outside the Control Room - Unit 2
PROD00015286	9/3/08 AT-0175 Action Request Record Report re: 22 Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test, Sp 2301 Rev 19
PROD00015287	9/3/08 AT-0175 Action Request Record Report re: corrective action to review the bypass procedure to provide clarity and remove human performance traps
PROD00015288	7/2/08 Action Request Record Report re: Procedure Program requirements 5AWI 1.5.0 Rev 20
PROD00015289	8/14/08 AT-0175 Action Request Record Report re: Tornado/Severe Thunderstorm/High Winds
PROD00015290	1/16/09 AT-0175 Action Request Record Report re: Emergency Operating Procedure Verification, Validation & Maintenance
PROD00015291	8/12/08 AT-0175 Action Request Record Report re: Tornado, Severe Thunderstorm/High Winds AB-2 Rev 30
PROD00015292	8/12/08 AT-0175 Action Request Record Report re: Tornado/Severe Thunderstorm/High Winds AB-2 Rev 31

Document Number	Description
PROD00015293	10/18/08 AT-0175 Action Request Record Report re: Shutdown from Outside the Control Room - Unit 1 1C1.3 AOP1 Rev 11
PROD00015294	10/18/08 AT-0175 Action Request Record Report re: Cooldown from Outside the Control Room - Unit 1 1C1.3 AOP2 Rev 4
PROD00015295	11/7/08 AT-0175 Action Request Record Report re: Tornado/Severe Thunderstorm/High Winds AB-2 Rev 32
PROD00015296	3/25/2009 by Ben Horner Action Request Record Report Incorporate correction made by inspectors during SR25 performance of the SO under WO 290019. SP Unit 2 Mid-Cycle and Refueling Outage Boric Acid Corrosion Examinations Inside Containment
PROD00015297	11/10/2008 Action Request Record Report # 01158721 RE: Emergency Manager Checklist
PROD00015298	11/17/2008 Action Request Record Report # 1159359 RE: Radioactive Shipment
PROD00015299	11/17/2008 Action Request Record Report # 1159361 RE: Radioactive Shipment
PROD00015300	11/17/2008 Action Request Record Report # 1159362 RE: Radioactive Shipment
PROD00015301	11/17/2008 Action Request Record Report # 1159363 RE: Radioactive Shipment
PROD00015302	11/17/2008 Action Request Record Report # 1159364 RE: Radioactive Shipment
PROD00015303	11/17/2008 Action Request Record Report # 1159365 RE: Radioactive Shipment
PROD00015304	11/17/2008 Action Request Record Report # 01159443 RE: Metal Fatigue Management Program
PROD00015305	11/23/2008 Action Request Record Report # 01160199 RE: Emergency Response computer System Operating Procedure
PROD00015306	12/4/2008 Action Request Record Report # 01161358 RE: Radiological Emergency Coordinator Checklist
PROD00015307	12/4/2008 Action Request Record Report # 01161374 RE: Activation and Operation of Technical Support Center
PROD00015308	12/5/2008 Action Request Record Report # 01161564 RE: Valve Positioning
PROD00015309	12/7/2008 Action Request Record Report # 01161612 RE: Add precaution to verify position of FO-27-1 by removing valve operator and observing arrow etched into valve stem
PROD00015310	12/8/2008 Action Request Record Report # 01161734 RE: Plant Equipment Control Process
PROD00015311	12/11/2008 Action Request Record Report # 01162090 RE: 4TH Interval Inservice Inspection Plan
PROD00015312	12/26/2008 Action Request Record Report # 01163659 RE: Reporting and NRC Notices of Violation
PROD00015313	12/26/2008 Action Request Record Report # 01163664 RE: 10CFR and Tech Spec Reporting Requirements
PROD00015314	12/31/2008 Action Request Record Report # 01164032 RE: CC Long term operation
PROD00015315	1/6/2009 Action Request Record Report # 01164541 RE: Containment at Power Quarterly Inspection
PROD00015316	1/7/2009 Action Request Record Report # 01164634 RE: Emergency Notifications
PROD00015317	1/12/2009 Action Request Record Report # 01165179 RE: Leakage Examination of Pressure Retaining Component
PROD00015318	1/14/2009 Action Request Record Report # 01165358 RE: Packaging of RAD Material for Shipment

Document Number	Description
PROD00015319	1/20/2009 Action Request Record Report # 01166050 RE: Offsite Dose Calculation Manual
PROD00015320	1/22/2009 Action Request Record Report # 01166322 RE: Emergency Preparedness
PROD00015321	1/22/2009 Action Request Record Report # 01166339 RE: Inservice Inspection and Pressure Testing
PROD00015322	1/23/2009 Action Request Record Report # 01166584 RE: Surveillance and Periodic Test Program
PROD00015323	1/26/2009 Action Request Record Report # 01166772 RE: Reactor Refueling Operation
PROD00015324	1/26/2009 Action Request Record Report # 01166796 RE: Procedure Program
PROD00015325	1/26/2009 Action Request Record Report # 01166814 RE: Mixed Low-level Radioactive and Hazardous Waste
PROD00015326	1/30/2009 Action Request Record Report # 01167460 RE: Chemical Leak or Spill Implementing Procedure
PROD00015327	2/1/2009 Action Request Record Report # 01167658 RE: Onsite Emergency Organization
PROD00015328	2/1/2009 Action Request Record Report # 01167659 Emergency Action Level Technical Bases
PROD00015329	2/1/2009 Action Request Record Report # 01167660 RE: Emergency Operations Facility Organization
PROD00015330	2/1/2009 Action Request Record Report # 01167661 RE Transfer to the Backup EOF
PROD00015331	2/10/2009 Action Request Record Report # 01168788 RE: Industrial Safety Work Practices
PROD00015332	2/10/2009 Action Request Record Report # 01168858 RE: Reactor Vessel Integrity Program
PROD00015333	2/11/2009 Action Request Record Report # 01169035 RE: Maintenance Rule Program
PROD00015334	2/17/2009 Action Request Record Report # 01169807 Reactivity Management
PROD00015335	2/19/2009 Action Request Record Report # 01170018 RE: Discrete Radioactive Particle Program
PROD00015336	2/19/2009 Action Request Record Report # 01170089 RE: Security Computer System Disaster Recovery
PROD00015337	2/25/2009 Action Request Record Report # 01170798 Emergency Preparedness Drill/Exercise Development
PROD00015338	2/26/2009 Action Request Record Report # 01170900 RE: Emergency Notification Report Form
PROD00015339	2/26/2009 Action Request Record Report # 01170975 RE: Plant Equipment Control Process
PROD00015340	3/2/2009 Action Request Record Report # 01171385 RE: Discrete Radioactive Particle Program
PROD00015341	3/2/2009 Action Request Record Report # 01171412 RE: Packaging of Radioactive Material For Shipping
PROD00015342	3/2/2009 Action Request Record Report # 01171425 RE: Isolation of HELB Steps
PROD00015343	5/26/200 Action Request Record Report 9 #01183195 RE: Emergency Plan Update
PROD00015344	1/6/2010 Action Request Record Report re: AR No.: 01195791 orig date 8/31/2009 due date 11/27/2009 Add reference to New PINGP 1686 Participant Critique Form
PROD00015345	1/15/10 Action Request Report Form re: ARNo.: 01197236 orig date 9/11/2009 dud date 12/11/2009 packaging of radioactive material
PROD00015346	5/15/2004 2004 NMC Employee Concerns Program Self-Assessment Report
PROD00015347	3/31/2003 Self Assessment of RO/SRO Program, Operator License Training
PROD00015348	6/25/2009 Action Request Record Report re: AR No.: 00449287 orig date: 6/5/2003 Deficiencies in Section XI R/R program not promptly corrected
PROD00015349	7/12/2003 AR 027203 Self-Assessment, Operator perception addressing equipment issues, including training on SOER 02-04 as of action to address CAP 28849

Document Number	Description
PROD00015350	7/12/2003 AR 027204 Self-Assessment, Operator perception addressing equipment issues, including training on SOER 02-04, SA to evaluate closure of CAP 28849
PROD00015351	4/15/2004 Email from Terrill Bacon to Timothy McDonald re: Management exception applied to AR, attaching Corrective Action Effectiveness Review among other things
PROD00015352	11/2/2003 Activity Request Id-028925 Assess results of Emergency Preparedness Self Assessment
PROD00015353	6/25/2009 Action Request Record Report re: AR No.: 00585463 orig date: 3/11/2004, assessment of Corrective Action Closeout
PROD00015354	6/25/2009 Action Request Record Report re: AR No.: 00585470 orig date 3/11/2004 snapshot self-assessment of Corrective Action Closeout
PROD00015355	4/7/2004 Activity Request Id-032740 Focused Self-Assessment of CAP Effectiveness
PROD00015356	10/1/2004 Activity Request Id-035155 Focused Self-Assessment of Operations
PROD00015357	1/3/2005 Activity Request Id-036553 Self-Assessment of Maintenance training programs
PROD00015358	2/11/2005 Activity Request Id-037265 Self-Assessment baseline of Emergency Preparedness
PROD00015359	2/11/2005 Activity Request Id-037268 Self -Assessment Safety System Design and Performance
PROD00015360	2/11/2005 Activity Request Id-037269 Self-Assessment Repeat Maintenance Program effectiveness
PROD00015361	6/25/2009 Action Request Record Report re: A/R No.: 00807306 orig date: 2/11/2005 Self-Assessment of operating experience
PROD00015362	2/11/2005 Activity Request Id-037272 re: self-assessment Annual Radiation Protection Program
PROD00015363	2/11/2005 Activity Request Id-037273 Focused Self-Assessment of ALARA occupation radiation safety 1st quarter 2005
PROD00015364	2/11/2005 Activity Request Id-037274 Focused Self Assessment site observation program
PROD00015365	2/23/2005 Activity Request Id-037422 Self-Assessment organizational effectiveness
PROD00015366	6/25/2009 Action Request Record Report re: AR No.: 00828386 orig date: 4/4/2005 Focused Self-Assessment Work It Now Team effectiveness
PROD00015367	6/25/2009 Action Request Record Report re: AR No.: 08828390 Focused Self-Assessment Operations Human Performance
PROD00015368	6/25/2009 Action Request Record Report re: AR No.: 00828399 orig date: 4/4/2005 Focused Self-Assessment PI Problem Identification and Resolution Process
PROD00015369	4/4/2005 Activity Request Id-038110 Focused Self-Assessment of Fire Brigade
PROD00015370	3/26/2007 Action Request Record Report re: AR NO.: 01000875 orig date: 10/12/2005 Self-Assessment Annual Radiation Protection Program
PROD00015371	5/5/2006 Action Request Record Request re: AR No.:01012361 orig date: 1/29/2006 4th quarter DRUM for Operations
PROD00015372	3/30/2007 Action Request Record Report re: AR No.: 01025522 orig date: 4/21/2006 Focused Self-Assessment Work Management Process
PROD00015373	3/30/2007 Action Request Record Report re: AR No.: 01028387 1st Quarter Engineering DRUM Report

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PROD00015374	403/2007 Action Request Record Report re: AR No.: 01040086 orig date: 7/17/2006 2nd Quarter DRUM Report -Security
PROD00015375	4/3/2007 Action Request Record Report re: AR No.: 01040980 orig date: 7/24/2006 4th Quarter DRUM- Training
PROD00015376	4/3/2007 Action Request Report Record re: AR No.: 01042167 orig date: 7/31/2006 2nd Quarter DRUM-Operations
PROD00015377	432007 Action Request Record Report re: AR No.: 01051500 orig date: 9/21/2006 3rd Quarter DRUM-Operations
PROD00015378	12/5/2007 Action Request Record Report re: AR No.: 01064108 orig date: 11/28/2006 Snapshot Self-Assessment in preparation for Component Design Basis Inspection
PROD00015379	11/20/2009 Action Request Record Report re: AR No.: 01076157 orig date: 2/7/2007 Focused Self-Assessment Performance improvement
PROD00015380	3/12/2009 Action Request Record Report re: AR No.: 01078649 orig date; 2/22/2007 Focused Self -Assessment workplace safety
PROD00015381	5/15/2009 Action Request Record Report re: AR No.: 01078679 orig date: 2/22/2007 Focused Self-Assessment Welding Program
PROD00015382	4/22/2008 Action Request Record Report re: AR No.: 01078695 orig date: 2/22/2007 Focused Self-Assessment Radiation Protection
PROD00015383	12/06/2007 Action Request Record Report re: AR No.: 01079283 orig date 2/26/2007 Snapshot Evaluation of Nuclear Safety Culture
PROD00015384	12/07/2007 Action Request Record Report re: AR No.: 0182298 orig date: 3/15/2007 Focused Self- Assessment Planning and Reporting
PROD00015385	12/07/2007 Action Request Record Report re: AR No.:01089140 orig date 4/23/2007 1st Quarter DRUM-Operations
PROD00015386	12/31/2007 Action Request Record Report re:ARNo.: 01101908 orig date: 7/16/2007 2nd quarter DRUM Security
PROD00015387	12/31/2007 Action Request Record Report re: AR No.: 01102182 orig date: 7/17/2007 2nd Quarter DRUM-Operations
PROD00015388	12/31/2007 Action Request Record Report re: AR No.: 01110757 orig date: 9/11/2007 3rd Quarter DRUM Training Department
PROD00015389	3/12/2008 Action Request Record Report re: AR No.: 01122417 orig date: 12/31/2007 3rd Quarter DRUM-Training including 4th Quarter
PROD00015390	5/20/2008 Action Request Record Report re: AR No.: 01124352 orig date: 1/21/2008 1st quarter 2008 DRUM-Training
PROD00015391	3/18/2009 Action Request Record Report re: AR No.: 01124412 orig date: 1/21/2008 Assessment of PI Maintenance and Technical Training
PROD00015392	3/12/2009 Action Request Record Report re: AR No.: 01124794 orig date: 1/24/2008 Comprehensive Self-Assessment of PI Operation Training

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PROD00015393	5/15/2009 Action Request Record Report re: AR No.: 01125501 orig date 1/30/2008 Self-Assessment-control of Locked High Radiation and Very High Radiation areas
PROD00015394	6/25/2009 Action Request Record Report re: AR No.: 01129453 orig date: 3/1/2008 Focused Self-Assessment Fire Protection
PROD00015395	7/09/2009 Action Request Record Report re: AR No.: 01129462 orig date 3/1/2008 Focused Self-Assessment
PROD00015396	3/18/2009 Action Request Record Report re: AR No.: 01129463 orig date: 3/1/2008 Focused Self Assessment-Safety Culture
PROD00015397	6/25/2009 Action Request Record Report re: AR No.: 01129465 orig date: 3/1/2008 Focused Self-Assessment Dupont Safety Effectiveness review
PROD00015398	5/15/2009 Action Request Record Report re: AR No.: 01141469 orig date: 6/19/2008 June 2008 Maintenance Rework Review
PROD00015399	8/7/2009 Action Request Record Report re: AR No.: 01143359 orig date 7/7/2008 2nd Quarter DRUM-Training
PROD00015400	8/7/2008 Action Request Record Report re: AR No.: 01144212 orig date: 7/15/2008 2nd Quarter DRUM-Operations
PROD00015401	3/13/2009 Action Request Record Report re: AR No.: 01152204 orig date: 9/26/2008 2nd Quarter DRUM-Training
PROD00015402	3/12/2009 Action Request Record Report re: AR No.: 01155350 orig Date: 10/14/2008 Snapshot evaluation of Security Training
PROD00015403	3/12/2009 Action Request Record Report re: AR No.: 01155572 orig date 10/15/2008 3rd Quarter DRUM-Security
PROD00015404	5/15/2009 Action Request Record Report re: AR No.: 01155712 orig date: 10/16/2008 Snapshot Evaluation Initial Training Materials
PROD00015405	10/26/2009 Action Request Record Report re: AR No.: 01157353 orig date: 10/29/2008 Assessment Operation Requalification Training
PROD00015406	6/25/2009 Action Request Record Report re: AR No.: 01162864 orig date: 12/17/2008 4th Quarter Maintenance Rework Review Board
PROD00015407	1/19/2009 Action Request Record Report re: AR No.: 01164399 orig date: 1/5/2009 4th quarter DRUM-Training
PROD00015408	6/25/2009 Action Request Record Report re: AR No.: 01165841 orig date: 1/19/2009 Focused Self-Assessment CAP program
PROD00015409	3/19/2009 Action Request Record Report re: AR No.: 01171059 orig date: 2/27/2009 4th Quarter DRUM-Site
PROD00015410	10/26/2009 Action Request Record Report re: AR No.: 01175030 orig date: 3/26/2009 Focused Self-Assessment Emergency Preparedness Plan
PROD00015411	6/25/2009 Action Request Record Report re: AR No.: 01176339 orig date: 4/2/2009 1st Quarter DRUM-Training
PROD00015412	10/26/2009 Action Request Record Report re: AR No.: 01176634 orig date: 4/3/2009 Focused Self-Assessment Plant Health Committee
PROD00015413	6/26/2009 Action Request Record Report re: AR No.: 01181771 orig date: 5/12/2009 Snapshot Self-Assessment of RCE for 11 TDAFW pump mispositioning of valve event

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PROD00015414	6/26/2009 Action Request Record Report re: AR No.: 01181773 orig date: 5/12/2009 Snapshot Self-Assessment RCE 01157726 Radioactive Shipment Event
PROD00015415	7/28/2009 Action Request Record Report re: AR No.: 01181781 orig date: 5/12/2009 Snapshot Self-Assessment of cross cutting issues relative to NRC Inspection
PROD00015416	11/20/2009 Action Request Record Report re: AR No.: 01183251orig date: 5/26/2009 Focused Self-Assessment TDAFW Pump 95001 Inspection
PROD00015417	11/20/2009 Action Request Record Report re: AR No.: 01183252 orig date: 5/26/2009 Focused Self-Assessment Radioactive shipment preparation for 95001 Inspection
PROD00015418	7/28/2009 Action Request Record Report re: AR No.: 01186346 orig date 6/22/2009 2nd Quarter DRUM-Training
PROD00015419	11/20/2009 Action Request Record Report re: AR No.: 01189843 orig date: 7/17/2009 2nd Quarter DRUM-Security
PROD00015420	11/20/2009 Action Request Record Report re: AR No.: 01190926 orig date: 7/27/2009 2nd Quarter DRUM-Operations
PROD00015421	11/20/2009 Action Request Report Record re: AR No.: 01203263 orig date: 10/20/2009 3rd Quarter DRUM-Operations
PROD00015422	11/20/2009 Action Request Record Report re: AR No.: 1203400 orig date: 10/21/2009 3rd Quarter DRUM-Training
PROD00015423	6/22/2009 Action Request Record Report re: AR No.: 01107479 orig date: 8/17/2007 review to determine if needed change USAR to account for new Best Estimate Large Break Loss of Coolant Accident methodology
PROD00015424	6/22/2009 Action Request Record Report re: AR No.: 01119829 orig date: 12/3/2007 Revise USAR to add Design Basis Limits for Fission Product Barriers to Chapter 14
PROD00015425	6/22/2009 Action Request Record Report re: AR No.: 01123127 orig date: 1/8/2008 Revise Chapter 8 of USAR due to revision ENG-EE-018 as affect emergency diesel generators
PROD00015426	6/22/2009 Action Request Record Report re: AR No.: 01123200 orig date: 1/9/2008 revise USAR to account for revisions to ENG-EE-021,-045,-018 affects Emergency Diesel Generators analysis
PROD00015427	6/22/2009 Action Request Record Report re: AR No: 01123279 orig date: 1/2008 Update USAR include new CL flow rates
PROD00015428	6/22/2009 Action Request Record Report re: AR No: 01123499 orig date 1/11/2008 update USAR account for new flow values
PROD00015429	6/22/2009 Action Request Record Report re: AR No.: 01124489 orig date: 1/22/2008 change USAR to reflect RWST water level to 90% (265,000(
PROD00015430	6/22/2009 Action Request Record Report re: No.: 01129918 orig date 3/5/2008 Revise USAR for new values for diesel fuel oil consumption rates
PROD00015431	6/22/2009 Action Request Record Report re: AR No.: 01129933 orig date 3/5/2008 Revise USAR due to installation of replacement charging pump drives

Document Number	Description
PROD00015432	6/23/2009 Action Request Record Report re: AR No.: 01125580 orig date: 4/24/2008 Revise USAR due to misunderstandings of, among other things, Seismic class
PROD00015433	6/23/2009 Action Request Record Report re: AR No.: 01136114 orig date: 4/29/2008 revise USAR to make consistent with design report and technical reports including, among other things, cooling water system
PROD00015434	6/23/2009 Action Request Record Report re: AR No.: 01138800 orig date: 5/27/2008 correct the 1 year rating of U1 and U2 EDGs to 2760 from 2750
PROD00015435	6/23/2009 Action Request Record Report re: AR No.: 01148256 orig date: 8/22/2008 update USAR section 10 and 12 to reflect proper definitions of design classification and design configuration
PROD00015436	6/23/2009 Action Request Record Report re: AR No.: 01152572 orig date: 9/29/2008 Revise USAR section 12 Design Class of Emergency Communications
PROD00015437	6/23/2009 Action Request Record Report re: AR No.: 01152945 orig Date: 9/30/2008 revise USAR to reflect changes in battery and electrical calculations
PROD00015438	6/23/2009 Action Request Record Report re: AR No.: 01153852 orig date: 10/5/2008 Update USAR to reflect available time for Auxiliary Feedwater with results from NSP-07-33
PROD00015439	6/23/2009 Action Request Record Report re: AR no.: 01159604 orig date: 11/18/2008 Revise USAR to remove steam flow feedwater flow reactor trip as no longer exists
PROD00015440	6/23/2009 Action Request Record Report re: AR No.: 01177302 orig date: 4/8/2009 Revise USAR to account for Generic Letter 2004-02 potential Impact of debris blockage
PROD00015441	4/18/2006 Calculation Signature Sheet; NMC Calculation (Doc) No: ENG-ME-005 Analysis of Available NPSH to the RHR pumps from the Containment Pump-replacement strainers
PROD00015442	5/17/2006 Calculation Signature Sheet; NMC Calculation (Doc) No: ENG-ME-005 Analysis of Available NPSH to the RHR pumps from the Containment Pump-EOPs for Transfer to Recirculation
PROD00015443	5/17/2006 Calculation Signature Sheet; NMC Calculation (Doc) No: ENG-ME-005 Analysis of Available NPSH to the RHR pumps from the Containment Pump-EOPs for Transfer to Recirculation. Minor Revision-replace figures
PROD00015444	8/25/2009 Design Bases Document for the Reactor Protection System (Revision 4)
PROD00015445	8/25/2009 Design Bases Document for the Environmental Qualification of Electrical Equipment
PROD00015446	8/19/2009 Design Bases Document for the Station Blackout Topic
PROD00015447	3/25/2010 Turbine EH Control System Upgrade
PROD00015448	Containment Dome Design Bases
PROD00015449	11/19/2008 Engineering Change - Evaluate affects of tornado depressurization of auxiliary building
PROD00015450	8/30/2007 Engineering Change - Auxiliary Building HELB Update Part 1
PROD00015451	2/1/2008 .Engineering Change RE: Diesel Generator Steady State Loading
PROD00015452	6/29/2009 Engineering Change for Owner's Acceptance Review of MPR Analysis of Safety Injection Pump Operation without CC Flow to the Bearing Oil and Seal Water Coolers (Supports Turbine Bldg HELB/Loss of CC PRA)

Document Number	Description
PROD00015453	12/2/2009 EC-0441 Closeout Package for EC 14927 Calculation status changes for CRIP - Seismic Certification Report
PROD00015454	10/30/2009 EC-0441 EC Closeout Package for Evaluation of the impact of continuing refueling cavity leakage during 1R26/2R26 on conclusions of EC 14139 that considered the effects through 25 refueling outages, Dominion Eng R-4448-00-01
PROD00015455	1/16/2003 Prairie Island Nuclear Generating Plant Probabilistic Risk Assessment Section A.4 Auxiliary Feedwater System Fault Tree Notebook
PROD00015456	8/7/1995 IPE Containment Event Tree Model Construction
PROD00015457	50.59 Screening re: shield installed to protect carbon steel body to bonnet bolting material from leaking boric acid
PROD00015458	Preliminary Agenda for SQUG Winter Meeting taking place December 6 and 7, 1999
PROD00015459	NRC Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue and other documents re SQUG
PROD00015460	Records of Repairs and Microfilming from 1992-2002
PROD00015461	12/19/1990 Integrated I&C Upgrade Plan, Draft of Revision 0
PROD00015462	8/2009 50.59 Screening No. 2966: Evaluation of the Unit 1 and 2 Reactor Pressure Vessel and Reactor vessel Internals for the Effects of the Transition to 422V+ Fuel
PROD00015463	6/6/2006 emergency plan drill critique report
PROD00015464	12/18/2007 EP Drill Critique Report
PROD00015465	7/22/2008 EP Drill Critique Report
PROD00015466	7/18/2006 EP Drill Critique Report
PROD00015467	Plant safety document
PROD00015468	2007 PINGP annual public alert and notification system review report
PROD00015469	2008 PINGP annual pubic alert and notification system review report
PROD00015470	Prairie Island Nuclear Generating Plant Emergency Action Level Matrix
PROD00015471	PINGP Emergency Action Level Matrix
PROD00015472	12/2/2008 SWI Emergency Operating Procedure Verification, Validation and Maintenance (revision 7)
PROD00015473	5/7/2008 letter to NRC containing Supplement to LAR for PINGP.
PROD00015474	6/26/2008 letter to NRC containing LAR for PINGP.
PROD00015475	6/26/2009 letter to NRC containing LAR for PINGP.
PROD00015476	10/27/2009 letter to NRC containing LAR for PINGP.
PROD00015477	1/3/2007 NRC letter re Confirmatory Order (effective immediately)(Office of Investigation Report No. 3-2005-010)
PROD00015478	3/3/2010 NRC letter re Annual Assessment
PROD00015479	3/20/2009 NRC letter re Meeting Summary for Regulatory Conference with NSP (EA-08-349)
PROD00015480	5/14/2007 NRC letter re Integrated Inspection Report

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PROD00015481	6/11/2009 NRC letter re Information Request to Support Upcoming PINGP, Units 1 and 2, Biennial Problem Identification and Resolution Inspection
PROD00015482	08/11/2008 Letter from NRC to M. Wadley re PINGP Units 1 & 2, audit of the licensee's management of regulatory commitments (TAC NOS MD8892 and MD8893)
PROD00015483	09/10/2007 NRC letter to M. Wadley, Mid-cycle performance review and inspection plan - PINGP
PROD00015484	09/01/2009 NRC letter to M Schimmel, Mid-Cycle performance review and inspection plan - PINGP Units 1 & 2
PROD00015485	11/10/2009 Letter from NRC to M. Schimmel, Public meeting to discuss human performance cross- cutting issues fro PINGP
PROD00015486	12/17/2009 Letter from NRC to PINGP summary of 12/01/2009 public meeting to discuss human performance substantive cross-cutting issues at PINGP
PROD00015487	08/14/2007 Second Quarter Inspection Report
PROD00015488	12/31/2007 Letter to M Wadley from NRC re Problem identification and resolution inspection report 05000252/2007006 and 050000306/2007006
PROD00015489	2/3/2006 letter from NRC to T. Palmisano RE: PINGP, Units 1 and 2 NRC Integrated Inspection Report 05000282/2005011; 05000306/2005011; Preliminary White Finding
PROD00015490	8/14/2006 letter from NRC to T. Palmisano RE: PINGP, Units 1 and 2 NRC Integrated Inspection Report 05000282/2006003 ; 05000306/2006003
PROD00015491	2/11/2008 letter from NRC to Michael Wadley RE: PINGP, Units 1 and 2 NRC Integrated Inspection Report 05000282/2007005 and 05000306/2007005
PROD00015492	5/14/2008 letter from NRC to Michael Wadley Re: PINGP, Units 1 and 2 NRC Integrated Inspection Report 05000282/2008002 AND 05000306/2008002
PROD00015493	8/14/2008 letter from NRC to Michael Wadley RE: PINGP, Units 1 and 2 NRC Integrated Inspection Report 0500028212008003; 0500030612008003
PROD00015494	2/10/2009 letter from NRC to Michael Wadley Re: PINGP integrated inspection report
PROD00015495	12/23/2008 letter from NRC to Michael Wadley Re: PINGP, Units 1 and 2, Evaluation of Changes, Tests, or Experiments and Permanent Plant Modifications Baseline Inspection Report 05000282/2008007; 05000306/2008007(DRS)
PROD00015496	11/7/2008 letter from NRC to Michael Wadley Re: PINGP -NRC Special Inspection Report 05000282/2008008; 05000306/2008008, Preliminary White Finding
PROD00015497	1/27/2009 letter from NRC to Michael Wadley Re: Final Significance Determination for a White Finding and Notice of Violation; NRC Inspection Report NO. 05000282/2008008; PINGP UNIT 1
PROD00015498	2/10/2009 letter from NRC to Michael Wadley Re: PINGP, UNIT 1 and 2 NRC Inspection Report 05000282/2008009; 05000306/2008009 Preliminary Yellow Finding
PROD00015499	8/8/2008 letter from NRC to Michael Wadley re: PINGP, Units 1 and 2 Biennial Emergency Preparedness Exercise Baseline Inspection 0500028212008502(DRS); 05000306/2008502(DRS)

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PROD00015500	8/5/2009 letter from NRC to Michael Wadley re: PINGP, Units 1 and 2 NRC Integrated Inspection Report 05000282/2009003; 05000306/2009003
PROD00015501	10/23/2009 letter from NRC to Mark Schimmel Re: PINGP, Units 1 and 2, NRC Integrated Inspection Report 05000282/2009004; 05000306/2009004
PROD00015502	2/8/2010 letter from NRC to Mark Schimmel Re: PINGP, Units 1 and 2 NRC Integrated Inspection Report 05000282/2009005; 05000306/2009005 And Office of Investigations Report NO. 3-2009-025
PROD00015503	5/6/2009 letter from NRC to Michael Wadley Re: Final Significance Determination of White Finding and Notice of Violation; NRC Inspection Report NO. 05000282/2009008; 0500030612009008; PINGP Units 1 and 2
PROD00015504	11/25/2009 letter from NRC to Mark Schimmel re: PINGP, Units 1 and 2, NRC Biennial Problem Identification and Resolution Inspection Report 05000282/2009009; 05000306/2009009
PROD00015505	8/5/2009 letter from NRC to Michael Wadley re: PINGP, Units 1 and 2 NRC Inspection Report 05000282/2009010; 05000306/2009010 Preliminary White Finding
PROD00015506	10/15/2009 letter from NRC to Mark Schimmel RE: PINGP, Unit 1, NRC Supplemental Inspection Report 05000282/2009011
PROD00015507	9/3/2009 letter from NRC to Mark Schimmel Re: Final Significance Determination for a White Finding and Notice of Violation; NRC Inspection Report NO. 05000306/2009013; PINGP, Unit 2
PROD00015508	4/29/2010 letter from NRC to Mark Schimmel RE: PINGP, Units 1 and 2, NRC Integrated Inspection Report 05000282/2010002; 05000306/2010002 AND 07200010/2010002
PROD00015509	9/29/2008 letter from Xcel to NRC re: LER 1-08-03, Loss of Auxiliary Feedwater Safety Function and Condition Prohibited by Technical Specifications Due to Mispositioned Isolation Valve
PROD00015510	1/19/2009 letter from Xcel to NRC re: LER 2-08-01. Unanalyzed Condition Due to Both Trains of Component Cooling Being Susceptible to a Postulated High Energy Line Break. Supplement 1
PROD00015511	1/28/2009 letter from Xcel to NRC re: Inservice Inspection Summary Report. Interval 4. Period 2. Outage 1. Refueling Outage Dates: 09-19-2008 to 11-01-2008 Unit 2. Fuel Cycle 24: 12-15-2006 to 11-01-2008
PROD00015512	5/12/2009 letter from Xcel to NRC re: 2008 Annual Radioactive Effluent Report and Offsite Dose Calculation Manual
PROD00015513	12/17/2009 letter from Xcel to NRC re: LER 1-09-06, Unanalyzed Condition Due to Potential Safety System Susceptibility to Turbine Building Flooding Due to a Postulated High Energy Line Break
PROD00015514	4/8/2010 letter from Xcel to NRC re: LER 1-09-06, Unanalyzed Condition Due to Potential Safety System Susceptibility to Turbine Building Flooding Due to a Postulated High Energy Line , Supplement 1
PROD00015515	4/1/2010 letter from Xcel to NRC re: 30-Dav Response to Human Performance Substantive Cross-Cutting Issue (SCCI)
PROD00015516	10/30/2008 licensing time-line
PROD00015517	10/29/1974 letter from Atomic Energy Commission to PINGP RE: Facility Operating License
PROD00015518	Various Prairie Island Updated Safety Analysis Reports

Document Number	Description
PROD00015519	10/19/2001 Biennial Report of Changes, Tests, and Experiments, and Submittal of Revision No. 9 to the Prairie Is land Independent Spent Fuel Storage Installation Safety Analysis Report
PROD00015520	5/1/2009 Letter From Xcel To NRC RE: updated safety analysis report revision 30 and bases revisions
PROD00015521	Prairie Island Updated Safety Analysis Report USAR Appendix I Revision 22
PROD00015522	Prairie Island Updated Safety Analysis Report USAR Section 1 Revision 23
PROD00015523	Prairie Island Updated Safety Analysis Report USAR Section 1 Revision 30
PROD00015524	5/20/09 PINGP Unit 1 Startup Procedure manual
PROD00015525	4/26/07 PINGP Unit 1 Power Operation
PROD00015526	4/7/07 PINGP Unit 2 Startup Procedure
PROD00015527	9/28/07 PINGP Unit 2 Shutdown Procedure
PROD00015528	4/8/07 PINGP Unit 2 Power Operation
PROD00015529	9/24/08 PINGP RCS Reduced Inventory Operation Procedure
PROD00015530	10/16/02 PINGP Surveillance Requirements Mode 5, Cold Shutdown Procedure
PROD00015531	10/16/02 PINGP Surveillance Requirements Mode 5, Cold Shutdown Procedure
PROD00015532	4/1/10 CAP log
PROD00015533	12/1/09 CAP log
PROD00015534	3/1/08 Operations Station Log regarding safety issues
PROD00015535	5/1/06 Operations Log Entries regarding safety issues
PROD00015536	5/1/10 Log Entries Report regarding CAP
PROD00015537	11/1/08 Log Entries Report regarding CAP
PROD00015538	10/1/08 Log Entries Report regarding safety assessment/CAP
PROD00015539	10/1/09 Log Entries Report regarding safety assessment/CAP
PROD00015540	9/1/08 Log Entries Report regarding CAP
PROD00015541	9/1/09 Log Entries Report regarding CAP
PROD00015542	2/8/07 PINGP Plant Operating Review Committee Meeting Minutes regarding CAP
PROD00015543	8/14/08 PINGP Plant Operating Review Committee Meeting Minutes regarding safety issues/CAP
PROD00015544	4/17/07 PINGP Surveillance Requirements Mode 5, Cold Shutdown regarding CAP
PROD00015545	Undated PINGP EAL Reference Manual by J. Callahan
PROD00015546	11/16/06 PINGP EAL Reference Manual
PROD00015547	3/30/07 PINGP Emergency Action Levels (EAL) Reference Manual
PROD00015548	6/5/09 PINGP EAL Reference Manual
PROD00015549	9/17/09 PINGP EAL Reference Manual
PROD00015550	1/18/06 PINGP F3 EAL Technical Bases
PROD00015551	PINGP F3 EAL Technical Bases
PROD00015552	5/30/08 PINGP Emergency Action Level Technical Bases by S. Northard
PROD00015553	6/5/09 PINGP EAL Technical Bases by K. Ryan

Document Number	Description
PROD00015554	9/17/09 PINGP EAL Technical Bases by K. Ryan
PROD00015555	PINGP 11 Turbine Driven Aux Feed Pump Refueling Inspection Preventative Maintenance Procedures 12/2/05 by M. Schmidt
PROD00015556	3/7/06 PINGP 11 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedures by M. Schmidt
PROD00015557	3/7/06 PINGP Temporary Change Request regarding 11 Turbine Driven Auxiliary Feed Water Pump and attached 11 TD AFP Refueling Inspection Preventive Maintenance Procedures
PROD00015558	10/28/06 PINGP 11 Turbine Driven Aux Feed Pump Refueling Inspection by T. Wadley
PROD00015559	7/26/07 11 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedures by Mechanical General Supervisor
PROD00015560	12/2/05 PINGP Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedure by M. Schmidt
PROD00015561	9/6/06 PINGP 22 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedure by T. Wadley
PROD00015562	10/10/06 22 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedure by T. Wadley
PROD00015563	10/25/06 PINGP 22 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedure by T. Wadley
PROD00015564	12/5/06 22 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedure by T. Wadley
PROD00015565	3/16/07 PINGP 22 Turbine Driven Aux Feed Pump Refueling Inspection Preventive Maintenance Procedure by Mech. Maint. General Supv.
PROD00015566	7/9/07 PINGP Refuel Cavity Caulking Maintenance Procedure by S. Skoyen
PROD00015567	07/07/08 Refuel Cavity Caulking - Maintenance Procedure
PROD00015568	02/10/09 Refuel Cavity Caulking Maintenance Procedure
PROD00015569	11/20/07 Isolation, Restoration and Testing of 11 Aux Feed Pump Maintenance Operating Procedure
PROD00015570	05/02/08 Isolation, Restoration and Testing of 11 Aux Feed Pump Maintenance Operating Procedure
PROD00015571	09/09/09 Isolation, Restoration and Testing of 11 TD Aux Feed Pump Maintenance Operating Procedure
PROD00015572	03/17/08 Isolation, Restoration and Testing of 22 Aux Feed Pump Maintenance Operating Procedure
PROD00015573	11/19/09 Isolation, Restoration and Testing of 22 Aux Feed Pump Maintenance Operating Procedure
PROD00015574	04/24/08 Plant Check Valve Program Procedure
PROD00015575	11/14/08 Plant Check Valve Program Procedure
PROD00015576	05/03/10 Plant Check Valve Program Procedure
PROD00015577	05/02/08 NRC Recommendations from Generic Letter 89-13 Implementing Program Procedure
PROD00015578	02/22/10 NRC recommendations from Generic Letter 89-13 Implementing Program Procedure
PROD00015579	07/06/06 Boric Acid Corrosion Control Program Procedure

Document Number	Description
PROD00015580	09/13/06 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015581	03/05/07 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015582	6/5/2007 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015583	7/13/2007 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015584	8/27/2007 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015585	3/21/2008 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015586	2/16/2009 Boric Acid Corrosion Control Program Business Process Procedure
PROD00015587	1/27/2009 Packaging of Radioactive Material for Shipment Procedure
PROD00015588	3/04/2009 Packaging of Radioactive Material for Shipment Procedure
PROD00015589	5/4/2009 Packaging of Radioactive Material for Shipment Procedure
PROD00015590	SP: 11 Turbine Driven Auxiliary Feedwater pump auto start and functional refueling outage test
PROD00015591	11 turbine driven auxiliary feedwater pump auto start and functional refueling outage test
PROD00015592	Leakage examination of pressure retaining components on the reactor vessel head
PROD00015593	Leakage examination of pressure retaining components on the reactor vessel head
PROD00015594	Reactor vessel bottom head bare metal examination
PROD00015595	Reactor vessel bottom head bare metal visual examination
PROD00015596	Turbine driven auxiliary feedwater pump auto start and functional refueling outage test
PROD00015597	Turbine driven auxiliary feedwater pump auto start and functional refueling outage test Rev. 18
PROD00015598	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test Rev. 20
PROD00015599	B4A Reactor Coolant System
PROD00015600	License Requalification Training
PROD00015601	10/27/2008 Prairie Island Updated Safety Analysis Report
PROD00015602	10/7/2009 Action Request Record
PROD00015603	10/30/2007 Prairie Island Site Training Center Records
PROD00015604	4/15/2008 NRC Safety Culture Meeting
PROD00015605	4/15/2008 NRC Safety Culture Meeting
PROD00015606	4/15/2008 NRC Safety Culture Meeting
PROD00015607	4/15/2008 NRC Safety Culture Meeting
PROD00015608	4/15/2008 NRC Safety Culture Meeting
PROD00015609	1/27/2009 Job Familiarization Guide
PROD00015610	2003 Post-Training Feedback Summary Forms
PROD00015611	03/06/06 Prairie Island Radiation Protection Technician Qualification Manual and Evaluation Guide
PROD00015612	2004 Trainee Feedback Summary Forms
PROD00015613	2002 Trainee Feedback Summary Forms
PROD00015614	1996 PINGP Maintenance Supervisor Training Program - Basic Management/Supervision Concepts
PROD00015615	2007 Trainee Feedback Summary Forms

Document Number	Description
PROD00015616	2008 Trainee Feedback Summary Forms
PROD00015617	2005 Trainee Feedback Summary Forms
PROD00015618	2006 Trainee Feedback Summary Forms
PROD00015619	2006 Trainee Summary Feedback Forms
PROD00015620	2006 Trainee Feedback Summary Forms
PROD00015621	2008 Emergency Planning Information Sharing - Activation of Technical Support Center - among others
PROD00015622	2004 Radiation Protection Procedures - Document Sharing and Training
PROD00015623	05/25/05 Core Protection Lesson
PROD00015624	2008 PINGP Orientation Training
PROD00015625	5/5/2008 Providing NRC Responses: Engineering Support Personnel: Position Specific Training
PROD00015626	11/20/08 Initial License Operator Training and Simulation
PROD00015627	02/13/09 Initial License Operator Simulation and Training
PROD00015628	04/15/02 Loss of All Safeguards AC Power and Recovery Procedures Training
PROD00015629	11/20/08 License Operator - Simulator Initial Training
PROD00015630	03/23/09 Initial Reactor Trip Recovery
PROD00015631	02/10/05 Initial License Operator Training - Turbine Control Malfunctions
PROD00015632	03/23/09 Initial License Operator Training - Turbine Control Malfunctions
PROD00015633	05/20/09 Initial License Operator Training - Turbine Control Malfunctions
PROD00015634	01/30/09 Initial License Operator Training - Inadvertent Boration, Failure/Loss of Main Condenser
PROD00015635	01/25/09 Initial License Operator Training - First Stage Pressure Instrument Failure, Loss of CC
PROD00015636	05/21/09 Initial License Operator Training - First Stage Pressure Instrument Failure, Loss of CC
PROD00015637	02/06/09 Initial License Operator Training - Rapid Load Reduction, Feed Pump Trip, Loss of Turbine Building Cooling Water
PROD00015638	01/30/09 Initial License Operator Training - Rod Control Malfunctions, Power Range Nuclear Instrument Failures
PROD00015639	05/20/09 Initial License Operator Training - Rod Control Malfunctions, Power Range Nuclear Instrument Failures
PROD00015640	03/01/07 Initial License Operator Training - Hotwell Level Transmitter Failure, Steam Flow Instrument Failure, Plant Fire, First Stage Pressure Transmitter Failure, Cooling Water Malfunctions, Earthquake
PROD00015641	02/12/09 Initial License Operator Training - Hotwell Level Transmitter Failure, Steam Flow Instrument Failure, Plant Fire, First Stage Pressure Transmitter Failure, Cooling Water Malfunctions, Earthquake
PROD00015642	05/22/09 Initial License Operator Training - Hotwell Level Transmitter Failure, Steam Flow Instrument Failure, Plant Fire, First Stage Pressure Transmitter Failure, Cooling Water Malfunctions, Earthquake
PROD00015643	01/26/09 Initial License Operator Training - Charging Line Leak in Containment, Thermal Barrier Heat Exchange Tube Leak
PROD00015644	05/21/09 Initial License Operator Training - Charging Line Leak in Containment, Thermal Barrier Heat Exchange Tube Leak
PROD00015645	07/27/07 Initial License Operator Training - Seal Water Heat Exchanger Leak

Document Number	Description
PROD00015646	02/13/09 Initial License Operator Training - Seal Water Heat Exchanger Leak
PROD00015647	05/20/09 Initial License Operator Training - Seal Water Heat Exchanger Leak
PROD00015648	02/16/09 Initial License Operator Training - RCS Leak, Pressurizer Level Instrument Failure
PROD00015649	03/05/09 Initial License Operator Training - RHR Malfunctions at Cold Shutdown and Draindown Conditions
PROD00015650	07/09/09 Initial License Operator Training - RHR Malfunctions at Cold Shutdown and Draindown Conditions
PROD00015651	8/18/2009 Xcel Prairie Island Simulator Exercise Guide.
PROD00015652	03/26/2010 Other Foreign Material Exclusion LP# P8345C-0707 Rev. # 3
PROD00015653	06/30/2009 FME Monitor Certification Training Rev 0
PROD00015654	6/08/2009 Xcel Prairie Island; Fuel Handling and Training Requests.
PROD00015655	9/22/2009 by T. Borgen re: Xcel Prairie Island Simulator Exercise Guide.
PROD00015656	2/05/2010 Xcel Prairie Island; Simulator exercise guide.
PROD00015657	10/10/2009 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015658	11/16/2009 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015659	11/09/2009 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015660	1/11/2010 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015661	1/07/2010 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015662	1/25/2010 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015663	1/08/2010 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015664	3/03/2010 Xcel Prairie Island; Simulator Exercise Guide.
PROD00015665	9/06/2006 Prairie Island License Requal Training guide
PROD00015666	1/12/2009 Prairie Island License Requal Training Procedures.
PROD00015667	2/27/2006 Simulator instructor guide.
PROD00015668	8/15/2005 Simulator Instructor Guide.
PROD00015669	9/21/2006 Simulator Exercise Guide.
PROD00015670	8/10/2006 Prairie Island; Simulator Exercise Guide.
PROD00015671	12/14/2006 Prairie Island; Simulator Exercise Guide.
PROD00015672	2/16/2007 Prairie Island; Simulator Exercise Guide.
PROD00015673	2/19/2007 Prairie Island; Simulator Exercise Guide
PROD00015674	2/23/2007 Prairie Island; Simulator Exercise Guide
PROD00015675	2/06/2007 Prairie Island; Simulator Exercise Guide.
PROD00015676	2/14/2007 Prairie Island; Simulator Exercise Guide.
PROD00015677	2/23/2007 Prairie Island; Simulator Exercise Guide.
PROD00015678	2/23/2007 Prairie Island; Simulator Exercise Guide
PROD00015679	2/16/2007 Prairie Island; Simulator Exercise Guide.
PROD00015680	4/06/2007 Prairie Island; Simulator Exercise Guide.
PROD00015681	11/10/2008 Prairie Island; Simulator Exercise Guide re: Licensed operator requal.

Document Number	Description
PROD00015682	4/04/2007 Prairie Island; Simulator Exercise Guide.
PROD00015683	4/13/2007 Prairie Island; Simulator Exercise Guide.
PROD00015684	5/09/2007 Prairie Island; Simulator Exercise Guide.
PROD00015685	6/08/2007 Prairie Island; Simulator Guide.
PROD00015686	11/15/2007 Prairie Island simulator exercise guide.
PROD00015687	11/21/2007 Prairie Island; Simulator Exercise Guide.
PROD00015688	11/15/2007 Prairie Island; Simulator Exercise Guide re: license requalification training.
PROD00015689	1/14/2008 Prairie Island; Simulator Exercise Guide re: license operator requalification.
PROD00015690	3/18/08 Prairie Island; simulator exercise guide re: license operator requalification.
PROD00015691	5/06/2008 Prairie Island; Simulator Exercise Guide re: license operator requalification.
PROD00015692	1/11/2008 Prairie Island; simulator exercise guide re: license operator requalification.
PROD00015693	1/18/2008 Prairie Island; simulator exercise guide re: license operator requalification.
PROD00015694	4/18/2009 Prairie Island; simulator exercise guide re: license operator requalification.
PROD00015695	4/21/2008 Prairie Island; simulator exercise guide re: license operator requalification.
PROD00015696	4/22/2008 Prairie Island; Simulator Exercise Guide re: license operator requalification.
PROD00015697	6/16/2008 Prairie Island; simulator exercise guide re: license requalification training.
PROD00015698	6/12/2008 Prairie island Simulator Exercise Guide re: licensed operator requalification.
PROD00015699	7/31/2008 Prairie Island Simulator Exercise Guide re: license requalification training.
PROD00015700	8/07/2008 Prairie Island Simulator Exercise Guide re: license requalification training.
PROD00015701	8/02/2008 Prairie Island Simulator Exercise Guide re: licensed operator requalification.
PROD00015702	8/06/2008 Prairie Island; Simulator Exercise Guide re: licensed operator requalification training.
PROD00015703	8/06/2008 Prairie Island; simulator exercise guide; licensed operator requalification training.
PROD00015704	8/01/2008 Prairie Island; Simulator Exercise guide re: license requalification training.
PROD00015705	1/05/2009 Xcel Prairie Island; Simulator Exercise Guide re: license requalification training.
PROD00015706	1/12/2009 Xcel Prairie Island; Simulator Exercise Guide re: license requalification training.
PROD00015707	1/07/2009 Xcel Prairie Island; Simulator Exercise Guide re: license requalification training.
PROD00015708	1/22/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015709	1/07/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015710	1/22/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015711	2/25/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015712	2/24/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015713	3/05/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015714	3/16/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015715	4/16/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015716	4/23/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015717	6/02/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.

Document Number	Description
PROD00015718	6/04/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015719	6/15/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015720	6/09/2008 Prairie Island; simulator exercise guide re: license requalification training.
PROD00015721	7/21/2008 Prairie Island; simulator exercise guide re: license requalification training.
PROD00015722	2/05/2009 Xcel Prairie Island; simulator exercise guide re: emergency plan training.
PROD00015723	6/13/2008 Prairie Island; simulator exercise guide re: license requalification training and simulator cycle quiz.
PROD00015724	8/01/2008 Prairie Island; simulator exercise guide re: license requalification training and simulator cycle quiz.
PROD00015725	2/20/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015726	6/01/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training.
PROD00015727	4/05/2007 Prairie Island; simulator exercise guide and training materials.
PROD00015728	9/29/2007 Prairie Island; simulator exercise guide re: license requalification training.
PROD00015729	9/29/2007 Prairie Island; simulator exercise guide re: license requalification training.
PROD00015730	9/25/2007 Prairie Island; simulator exercise guide re: license requalification training.
PROD00015731	9/29/2007 Prairie Island; simulator exercise guide re: turbine 1st stage pressure failure/turbine cv cycling/dropped RCCA/loss of all AC.
PROD00015732	9/16/2009 Xcel Prairie Island; simulator exercise guide re: license requalification training and loss of all AC power with failures.
PROD00015733	9/11/2007 Prairie Island Simulator Exercise Guide re: licensed operator requalification and INPO 2007 EOP scenario #1.
PROD00015734	10/29/2009 Xcel Prairie Island; RCS reduced inventory operation re: licensed operator training.
PROD00015735	10/02/2008 NMC Prairie Island; simulator exercise guide re: initial license operator training and diagnostic training.
PROD00015736	8/14/2009 Xcel Prairie Island; laboratory guide, safety and human performance DLA.
PROD00015737	6/05/2007 Prairie Island "Other Initial Right-to-Know" course re: safety and fire protection.
PROD00015738	6/17/2008 Prairie Island "Other Initial Right-to-Know" course re: safety and fire protection.
PROD00015739	5/21/2009 Xcel Prairie Island "Other Initial Right-to-Know" re: safety and fire protection.
PROD00015740	6/08/2007 NMC Prairie Island "Other Right-to-Know Refresher" re: safety and fire protection.
PROD00015741	6/17/2008 NMC Prairie Island "Other Right-to-Know Refresher" re: safety and fire protection.
PROD00015742	5/21/2009 Xcel Prairie Island "Other Right-to-Know Refresher" re: safety and fire protection.
PROD00015743	8/03/2007 NMC Prairie Island "Other Right-to-Know for Warehouse Personnel" re: safety and fire protection.
PROD00015744	6/17/2008 NMC Prairie Island "Other Right-to-Know for Warehouse Personnel" re: safety and fire protection.
PROD00015745	5/21/2009 Xcel Prairie Island "Other Right-to-Know for Warehouse Personnel" re: safety and fire protection.
PROD00015746	6/11/2008 Prairie Island Orientation re: Emergency Systems.
PROD00015747	5/15/2008 NMC Prairie Island; instructor continuing training- operations training instructors.
PROD00015748	4/23/2010 Xcel Prairie Island; Developing SRO only questions re: instructor certification training.
PROD00015749	12/21/2007 Prairie Island; "Other Standards and Expectations" re: supervisor leadership development program.

Document Number	Description
PROD00015750	7/13/2009 Xcel Prairie Island; Coaching and feedback refresher re: supervisor leadership development.
PROD00015751	10/27/2006 Prairie Island Department Roll-Up Meeting Report.
PROD00015752	Self-Assessments 2005
PROD00015753	Maintenance Training Advisory Committee Job Familiarization Guide
PROD00015754	6/7/2006 Training Advisory Committee meeting minutes
PROD00015755	1/1/2006 Chemistry Department Training Advisory committee Meeting Minutes
PROD00015756	2/20/2007 Training Advisory Committee Meeting Minutes
PROD00015757	1/29/2008 Training Advisory Committee Meeting Minutes
PROD00015758	3/13/2007 Training Advisory Committee Meeting Minutes
PROD00015759	1/31/2006 Curriculum Review Committee Instructor Training Meeting Minutes
PROD00015760	1/31/2007 Curriculum Review Committee Instructor Training Meeting Minutes
PROD00015761	3/6/2008 Curriculum Review Committee Instructor Training Meeting Minutes
PROD00015762	3/19/2008 Training Advisory Committee Instructor Certification Training Program Meeting Minutes
PROD00015763	12/12/2005 Training Advisory Committee Meeting Minutes
PROD00015764	2/7/2006 Training Advisory Committee Meeting Minutes
PROD00015765	9/12/2005 Training Advisory Committee Supervisor Training Program Meeting Minutes
PROD00015766	3/21/06 Training Advisory Committee Supervisor Training Program
PROD00015767	Shift Manager Training Program Site Specific Reference List
PROD00015768	2007 NMC Training Program Effectiveness Report
PROD00015769	2/17/2006 Operations Training Schedule
PROD00015770	2009 Prairie Island Initial License Training PI-OPS-ILT Training Program Description Revision 8
PROD00015771	Licensed Operator Requalification FL-LOR-TPD Training Program Description Revision 1
PROD00015772	2007 Fleet Safety and Health FL-SHE Training Program Description Revision 2
PROD00015773	2008 Training Program Description PI-OPS-ILT Initial License Training Revision 4
PROD00015774	2006 NMC Training Program Effectiveness Report Chemistry Technician
PROD00015775	2006 NMC Training Program Effectiveness Report Engineering Personnel
PROD00015776	2006 NMC Training Program Effectiveness Report Radiation Protection Technician
PROD00015777	2005 NMC Training Program Effectiveness Report P9100: License Operator Requal
PROD00015778	2005 NMC Training Program Effectiveness Report P9300 Shift Manager P9500 Shift Technical Advisor
PROD00015779	2005 NMC Training Program Effectiveness Report Supervisory Leadership Development Program
PROD00015780	2006 NMC Training Program Effectiveness Report Leadership Development
PROD00015781	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 5/22/2007
PROD00015782	Containment at Power Quarterly Inspection Unit 2 Second Quarter 2007 Master Work Order Package dated 5/29/2007
PROD00015783	2/13/2008 Master Work Order Package for Remove Caulk in Refueling Cavity and Caulk Potential Leakage Paths

Document Number	Description
PROD00015784	9/20/2008 Master Work Order Package for Caulk Potential Leakage Paths in Refueling Cavity Unit 2
PROD00015785	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 8/11/2007
PROD00015786	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 11/20/2007
PROD00015787	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 5/20/2008
PROD00015788	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 8/19/2008
PROD00015789	Periodic Structures Inspection Master Work Order Package dated 8/14/20078
PROD00015790	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 11/13/2008
PROD00015791	2/20/2008 Master Work Order Package for Lower Refueling Pool Level to Facilitate Pool Repairs Unit 1
PROD00015792	2/20/2008 Master Work Order Package for Inspect, Clean and Adjust Fitting at Coupling Located on Refuel Cavity Wall Unit 1
PROD00015793	8/3/2009 Master Work Order Package for Caulk Potential Leakage Paths in Refueling Cavity Unit 1
PROD00015794	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 2/10/2009
PROD00015795	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 5/14/2009
PROD00015796	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 8/13/2009
PROD00015797	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 10/28/2009
PROD00015798	9/12/2009 Master Work Order Package for: Perform Leakage Repairs on Refueling Cavity Liner Unit 1
PROD00015799	9/14/2009 Master Work Order Package for: Measurements and Pictures of concrete that will be removed Unit 1
PROD00015800	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 2/4/2010
PROD00015801	Containment at Power Quarterly Inspection Unit 2 Master Work Order Package dated 2/3/2010
PROD00015802	GSI 191 Condition Assessment re Emergency Core Cooling System design and performance
PROD00015803	NUCLEAR MANAGEMENT COMPANY (NMC) SEPTEMBER 1, 2005 RESPONSE TO GENERIC LETTER 2004-02 FOR PINGP re Emergency Core Cooling System performance and design
PROD00015804	Self Assessment Report for Self Assessment Process completed in October 2001
PROD00015805	9/19/2005 General Condition Report re: exit interview forms for departing employees to address lack of appropriate safety culture at PINGP
PROD00015806	Exit Notes: Self-Assessment of the Prairie Island Root Cause Evaluation Process June 10 - June 14, 2002
PROD00015807	FOCUSED SELF-ASSESSMENT Root Cause Evaluation Process June 10-14, 2002
PROD00015808	Focused Self Assessment Checklist Topic: Root Cause Evaluation Process
PROD00015809	email response from D Almeida at Angra Nuclear Power Plant in Brazil to Koehler re resolution of similar refueling cavity leaks at their plant
PROD00015810	12/16/98 letter to L Polley NSP from A Setlur Automated Engineering Services Corp re Evaluation of the Effects of Borated Water Leaks on Concrete, Reinforcing Bars, and Carbon Steel Plate of the Containment Vessel - UNIT 2 and attached report
PROD00015811	10/15/2002 Auxiliary Feedwater System Review Package
PROD00015812	11/21/2001 Condition Report No. 200185537 Human Performance on Sensitivity and Identification of Tave Compensator was Less than Adequate.

Document Number	Description
PROD00015813	2000 NMC Operations Assessment Report
PROD00015814	10/10/1999 Report summarizing refueling cavity leakage during Spring 1999 Unit 1 refueling outage
PROD00015815	NCR 19991420 rev 1 report: Evaluation of Acceptable Containment Inspection Indications Unit 1 Refueling Cycle 19
PROD00015816	4/2/2001 Management Effectiveness Self Assessment
PROD00015817	PINGP Safety Audit Committee Meeting Minutes for meeting on 2/14/2001
PROD00015818	PINGP Safety Audit Committee Meeting Minutes for meeting on 2/14/2001
PROD00015819	NMC 2000 Employee Concerns Program: Self-Assessment Report of DAEC, Prairie Island and Monticello Nuclear Generating Plants
PROD00015820	Condition Report 20014211 Corrective Actions For Mispositioning CR 20004323 Not Effective In Preventing Repeat Occurrences
PROD00015821	Management Process Guideline on attitude to safety and 12/20/2001 Response
PROD00015822	NMC Safety Culture Policy effective 10/19/2000
PROD00015823	ACE 008678 Corrective Action Closeout Adequacy and Effectiveness discussion
PROD00015824	Report for refueling cavity leak occurring in 1998 and list of actions taken
PROD00015825	Refueling Cavity Diagram and Leak Observation Form
PROD00015826	Review of the Corrective Action Documentation Associated with Effectiveness Review for 3 Q 2005 Department Roll Up Meeting
PROD00015827	NMC Focused Self-Assessment Planning, Conduct and Reporting effective 2/13/2004
PROD00015828	List of Activities Identified in Structural Monitoring Inspection
PROD00015829	1/28/2005 NMC report re Human Performance and Safety at PINGP
PROD00015830	Date Unknown, Report - CE - Boric Acid leakage condition corrected - CV-31450
PROD00015831	Date Unknown, Report, Refueling Cavity leakage analysis
PROD00015832	3/13/2007 NMC employee CAP training
PROD00015833	3/19/2007 NMC Manager CAP Training
PROD00015834	Prairie Island Training Center - Identify general safety in formation about the hazardous materials in the work place per procedure and Minnesota Right-to-Know (RTK) - PowerPoint
PROD00015835	5/18/2007 Common cause evaluation - Common cause evaluation of adverse trend in human performance in Operations based on previous seven months of performance and includes any human performance reactivity events over the past year.
PROD00015836	2004 PINGP Corrective Actions Report
PROD00015837	November 2008 (Draft) Review of Radiological Licensing & Design Basis Prairie Island Nuclear Generating Plant
PROD00015838	6/22/2007 RCE Report Site Response to Potentially Significant Regulatory Issues
PROD00015839	8/2/2007 Performance Assessment Review Board meeting
PROD00015840	9/13/2007 Performance Assessment Review Board meeting
PROD00015841	9/6/2007 Performance Assessment Review Board meeting

Document Number	Description
PROD00015842	Focused Self-Assessment Checklist re: Corrective Action Program Self-Assessment
PROD00015843	Shall Requirements and Recommendations
PROD00015844	Focused Self-Assessment Checklist - Principles For A Strong Nuclear Safety Culture
PROD00015845	ACE CAP AR# 0113056 RE: Safety Culture
PROD00015846	August 2007 Nuclear Safety Questionnaire
PROD00015847	1/1/2009 Action Request Report #01164256 - New Instrument Block Valve Labeling
PROD00015848	Prairie Island Updated Safety Analysis Report (Revision 30P)
PROD00015849	5/29/2008 NMC Fleet Procedure - Human Performance Tools
PROD00015850	2/10/2009 Plant Health Committee Meeting Report
PROD00015851	6/17/2008 Report on Unit 1 AFW Flow Characteristics for MUR
PROD00015852	Calculations with AFW Flow Spreadsheet
PROD00015853	List of Contingency Work Orders with RWP 256 assigned to them
PROD00015854	Apparent Cause Evaluation: During the 1R25 refueling outage, upon cavity flood up, an approximate 50gpm leak was discovered on the "A" SI sand plug cover
PROD00015855	Apparent Cause Evaluation: During the 1R25 refueling outage, upon cavity flood up, an approximate 50gpm leak was discovered on the "A" SI sand plug cover, Revision 3
PROD00015856	Maintenance Rework Evaluation: Leak during flood up of U-1 refueling cavity for 1R25
PROD00015857	Maintenance Rework Evaluation: Loose Screws and Inadequate Calking on Sand Plug Covers during 1R25
PROD00015858	Report on AR01130465 Boric Acid Evaluation of Sump C and U1 Rx Vsl. following 1R25 cavity leakage
PROD00015859	Brief summary of Sump C, RX Vsl Bottom Inspection
PROD00015860	Brief summary of Sump C, RX Vsl Bottom Inspection
PROD00015861	BACC CE 01131062, SI-195-7 Packing Leak
PROD00015862	Maintenance Reqork Evaluation: SI-9-5 Did Not Seat During SP 1070 Check Valve Testing
PROD00015863	BACC CE 01131267, VC-16-40 Packing Leak
PROD00015864	CA 1131469 RC-8-9 BA Indication Evaluation
PROD00015865	CA 1131477 RC-8-31 BA Indication Evaluation
PROD00015866	CA 1131479 RC-8-32 BA Indication Evaluation
PROD00015867	Human Performance Event Investigation Tool (HUEIT) Form
PROD00015868	Maintenance Rework Evaluation: 11/12/13 HTR DRM PMPS COND Injection CV-31039 Leaking
PROD00015869	RCE Report: Site Response to Issues with SI-9-5, Event Date: June 2006 - March 2008
PROD00015870	RCE Report: Site Response to Issues with SI-9-5, Event Date: June 2006-March 2008, Revision 2
PROD00015871	8/5/2008 Action Tracking Search Engine
PROD00015872	5/15/2008 Common Cause Evaluation Report: Perform Evaluation on 1R25 Fundamental Practices Issues
PROD00015873	Potentially Superseded Calculations Spreadsheet
PROD00015874	SOER Effectiveness Review Guide: Intake Cooling Water Blockage
PROD00015875	8/18/2008 PI Screening Committee Meeting Minutes

Document Number	Description
PROD00015876	11/9/2007 Fleet Procedure: Human Performance Observation Program
PROD00015877	BACC CE 01139150, VC-16-40 Packing Leak
PROD00015878	BACC CE 01139192, SI-20-18 Packing Leak
PROD00015879	10/7/2008 Letter from M. Wadley to US NRC re Amendment to Unit 3 Inservice Inspection Summary Report, Interval 4, Period 1, outage 2, Refueling Outage Dates: 11-15-2006 to 12-15-2006, Fuel Cycle 26: 06-11-2005 to 12-15-2006
PROD00015880	12/4/2006 Letter from A. Setlur with Automated Engineering Services to S. McCall with NMC re Review of 2R24 Observed Leakage through Concrete Adjacent to the Containment Shell in Sump B
PROD00015881	4/30/2007 Apparent Cause Evaluation: Refuel cavity leakage into unit 2 sump B was noted on 11/23/2006, Revision 2
PROD00015882	3/3/2009 NSPM Corrective Action Effectiveness Review: Failure to adhere to due dates and procedural milestones have challenged the site's commitment to timely recognition and resolution of issues
PROD00015883	RCE Report: Identified NRC Crosscutting Issues: Event Date: July 2, 2008
PROD00015884	RCE Report: Indentified NRC Crosscutting Issues: Event Date: July 2, 2008, Revision 1
PROD00015885	Human Performance Event Investigation Tool (HUEIT), Revision 2
PROD00015886	Executive Summary of World Association of Nuclear Operators (WANO)'s peer review of PINGP
PROD00015887	Apparent Cause Evaluation: Component Cooling lines were identified as being affected by HELB in July 2006. No CAP was initiated to determine operability for the impact of a High Energy Line Break on the required design functions of Component Cooling Water System
PROD00015888	Description of necessity of Corrective Action Program
PROD00015889	1/19/2009 Letter from M. Wadley to USNRC re LER 2-01-01, Unanalyzed Condition Due to Both Trains of Component Cooling Being Susceptible to a Postulated High Energy Line Break, Supplement 1 with License Event Report enclosed
PROD00015890	8/15/2008 Operability Recommendation: re supply and return CC piping passing under main feedwater inlet piping
PROD00015891	Root Cause Evaluation Charter: Prairie Island Organization failed to ensure design control to adequately protect Unit 2 Component Cooling Water system piping following a seismic-induced HELB event
PROD00015892	REC Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008, Revision 0, Final Draft
PROD00015893	RCE Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008: Revision 0, Final Draft 2
PROD00015894	RCE Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008: Revision 1, Final Draft
PROD00015895	RCE Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008: Revision 4, Final Draft

Document Number	Description
PROD00015896	RCE Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008: Rewrite Revision 0
PROD00015897	RCE Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008: Rewrite Revision 1
PROD00015898	RCE Report: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date: 7/29/2008: Rewrite Revision 3 with comments and new dates
PROD00015899	2/16/2010 RCE Report Evaluation: Component Cooling Piping Adjacent to HELB Location in Turbine Building: Event Date
PROD00015900	Operations Site Clock Reset - Red Sheet re misposition of manifold isolation valve, Event date: 7/31/2006
PROD00015901	RCE Report: 11 Turbine-Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning, Event Date: July 31, 2008, Revision 3
PROD00015902	Record of Changes to RCE Report: 11 Turbine-Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning
PROD00015903	RCE Report: 11 Turbine-Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning, Event Date: July 31, 2008, Revision 2
PROD00015904	RCE Report: 11 Turbine-Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning, Event Date: July 31, 2008, Revision 1
PROD00015905	5/15/2009 SnapShot Report: Self-Assessment of RCE01146005 to 95001
PROD00015906	RCE Report: 11 Turbine-Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning, Event Date: July 31, 2008, Revision 1
PROD00015907	SOER Effectiveness Review Guide: 98-1, Safety System Status Control
PROD00015908	SE-0430 PMRQ Search Engine
PROD00015909	Report on CAP 01147542, Boric acid residue around 11 CS pump seal
PROD00015910	Report on CAP01147568, Boric acid residue found on the 12 CS pump seal area
PROD00015911	Report on CAP01147767, Boric acid residue found on pump seal area
PROD00015912	Report on CAP01147778, Boric Acid crystals on CS-41
PROD00015913	Report on CAP01147779, Boric acid residue on bonnet of CS-43
PROD00015914	Security Safety Awareness and Hazard Identification Refresher PowerPoint
PROD00015915	June 2006 Maintenance Rework Review Board Meeting Notes
PROD00015916	CE 1151385 245-052 21 RCP BA Indication Evaluation
PROD00015917	CE 1151385 245-052 21 RCP BA Indication Evaluation, Revision 1
PROD00015918	CE 1151390 CV-31462 22 ACCUM Test LN Before Check ISOL CV BA Indication Evaluation
PROD00015919	CE 1151685 CV-31347 21 Letdown Orifice Isol CV A BA Indication Evaluation
PROD00015920	Apparent Cause Evaluation: re boric acid leakage in Unit 2 Sump B
PROD00015921	Report on CE 01156949-01 Packing Leak on Root Valves for FI-18246
PROD00015922	Report on CAP 01157264 245-051 21 RCP BA Indication Evaluation

Document Number	Description
PROD00015923	Radiation Protection / Chemistry Site Clock Reset - Red Sheet: Shipping container received by Waltz Mill that exceeded shipping limits for radioactive material, Event date: 10/29/2009
PROD00015924	RCE Report: Radioactive Material Shipment Exceeded DOT Limits, Event Date: October 30, 2008, Final Draft
PROD00015925	RCE Report: Radioactive Material Shipment Exceeded DOT Limits, Event Date: October 30, 2008, Revision 2
PROD00015926	RCE Report: Radioactive Material Shipment Exceeded DOT Limits, Event Date: October 30, 2008, Revision 2 Final
PROD00015927	Additional Information to clarify NRC identified comments on RCE - Transportation of Radioactive Materials
PROD00015928	SnapShot Report: Self-Assessment of RCE01157726 to 95001 criteria
PROD00015929	Job Analysis: Radiation Protection Specialist
PROD00015930	Apparent Cause Evaluation: Programmatic weaknesses in the Human Performance Program have lead to a reduction in Defense in Depth and subsequent adverse/declining rend in Human Performance at the Site
PROD00015931	Report on Human Performance Oversight
PROD00015932	NSPM Corrective Action Effectiveness Review: Programmatic weaknesses in the HU Program have led to a reduction in Defense in Depth and subsequent adverse/declining trend in HU at the Site
PROD00015933	Nuclear Safety Culture Communication Plan for 2009
PROD00015934	Memo on Initiation of CAPs
PROD00015935	Memo on Initiation of CAPs
PROD00015936	Needs Assessment Worksheet: Merits of training that discusses the roles of engineering and operations
PROD00015937	Human Performance Case Studies PowerPoint
PROD00015938	Maintenance Department Human Performance Case Study PowerPoint
PROD00015939	Needs Assessment Worksheet: Generate a training request to consider a module that reinforces the value of formality and following formal processes
PROD00015940	3/2009 External Design Document Suitability Review Checklist: Evaluation of Effect of Borated Water Leaks on Concrete, Reinforcing Bars, and Carbon Steel Plate of the Containment Vessels at Prairie Island Units 1 and 2
PROD00015941	Table of CAPs associated with the refueling pool leakage
PROD00015942	5/21/2010 NSPM Corrective Action Effectiveness Review: Leakage through the anchor bolts of the internals stands and RCC Change Fixture
PROD00015943	RCE Report: Refueling Cavity Leakage, Event Date: 1988-2008, Revision 2
PROD00015944	RCE Report: Refueling Cavity Leakage, Event Date: 1988-2008, Draft
PROD00015945	RCE Report: Refueling Cavity Leakage, Event Date: 1988-2008, PARB Approved
PROD00015946	Response to RAI B2138-02 UD359
PROD00015947	PI Operations - Performance Review - January 2009
PROD00015948	Report on BACC CE 01160641, MV-32067 Packing Leak
PROD00015949	Report on BACC CE 01139192, SI-20-18 Packing Leak
PROD00015950	Report on BACC CE 01160647, SI-20-18 Packing Leak
PROD00015951	Report on CE 01160650 MV-32070 1 SAF ING Loop A Cold LEG ISOL MV

Document Number	Description
PROD00015952	2/9/2009 Common Cause Evaluation Report: Evaluation to determine if safety culture impacts are seen site wide
PROD00015953	2/9/2009 Common Cause Evaluation Report: Evaluation to determine whether safety culture impacts are seen site wide
PROD00015954	Evaluation of Safety Culture Chart
PROD00015955	Evaluation of Safety Culture Chart
PROD00015956	Maintenance Rule System Specific Basis Document, Revision 13
PROD00015957	Model Work Order Status 25
PROD00015958	12/1-5/2008 Prairie Island Human Performance Independent Assessment
PROD00015959	AR 01162493 Close out documentation: Inadequate Risk Avoidance
PROD00015960	Prairie Island Operations - Performance Review - Jan. 2009
PROD00015961	Prairie Island Human Performance Independent Assessment, 12/1-5/2008 Final
PROD00015962	Apparent Cause Evaluation: Opportunities to identify HELB & CC system interaction were missed
PROD00015963	Design Engineering Department: Department Clock Reset - Yellow Sheet re operability of the Component Cooling Water system: Event Date 12/15/2008
PROD00015964	3/26/2009 AT-0377 ATKPI Drill State - AS Spreadsheet
PROD00015965	Prairie Island Human Performance Independent Assessment, 12/1-5/2008 Draft
PROD00015966	NSPM Corrective Action Effectiveness Review re instances where personnel have performed tasks for which they are not qualified
PROD00015967	Event Narrative: Rx Power Delta During SP 2318.3
PROD00015968	RCE Report: Human performance & Cross-Cutting NRC Violations, Draft, PARB approved, with comments
PROD00015969	RCE Report: Human Performance & Cross-Cutting NRC Violations, Draft
PROD00015970	Problem Statement Development Sheet: SCAQ - Inadequate CAP resolution of significant issues
PROD00015971	Root Cause Evaluation Manual: CAP has not consistently resolved significant issues resulting in problems
PROD00015972	RCE Report: SCAQ - Inadequate CAP Resolution of Significant Issues, Event Date: 1/26/2009, Final Report
PROD00015973	RCE Report: SCAQ - Inadequate CAP Resolution of Significant Issues, Event Date: 1/26/2009, Final Report with Comments
PROD00015974	4/27/2009 Target Zero: No Accidents, No Events, No Job Is Routine: Human Performance Improvement Plan Actions
PROD00015975	10/20/2008 Assignment to K. Petersen: Communicate to liaisons and managers
PROD00015976	10/5/2008 Assignment to K. Petersen, Determine if PI will use TND
PROD00015977	12/30/2008 Assignment to S. McCall: Conduct CAP Backlog Reduction Meetings on a Regular Basis
PROD00015978	12/22/2008 Assignment to S. Skoyen: Conduct CAP Backlog Reduction meetings on a regular basis
PROD00015979	12/2/2008 Assignment to S. Myers: Conduct CAP backlog reduction meetings on a regular basis
PROD00015980	4/5/2007 Assignment to T. Allen: Conduct a human performance event
PROD00015981	3/19/2008 Assignment to K. Petersen re CAP due date documentation
PROD00015982	11/6/2007 Assignment to K. Petersen: Address the 7 CAP's identified deficiencies

Document Number	Description
PROD00015983	11/24/2008 Assignment to S. McCall: Close out CAP's in CAP backlog
PROD00015984	7/11/2007 Assignment to R. Womack: Define actions that will be taken to correct the issue of overdue CAPs
PROD00015985	License Renewal Working Areas spreadsheet
PROD00015986	06/15/2009 log re Develop and Implement Site CAP Key Performance Indicator
PROD00015987	07/30/2009 log re Site Rollout of Principles for a Strong Nuclear Safety Culture
PROD00015988	05/20/2009 log re Develop and Implement CAP priority matrix
PROD00015989	log re Complete FSA on CAP process effectiveness
PROD00015990	03/20/2009 log re CAP performance indicators do not represent CAP health
PROD00015991	07/09/2008 log re Feedback from 2007 PI&R Inspection
PROD00015992	07/09/2008 log re Feedback from2007 PI&R Inspection
PROD00015993	11/08/2007 log re Take actions to correct ineffective actions taken on CAP
PROD00015994	PRIDE Performance Recovery Plan
PROD00015995	PI Performance Recovery Plan flowchart
PROD00015996	02/16/2009 letter from M. Wadley to H. Coates of INPO re PINGP Action plan
PROD00015997	08/07/2009 Station Performance Improvement agenda
PROD00015998	Apparent Cause Evaluation re Continued Trend in Worker Qualification Issues
PROD00015999	08/28/2009 Common Cause Evaluation Report re ALARA Planning/Work Controls associated with Rad Shipping Incident
PROD00016000	05/15/2009 Common Cause Evaluation Report re ALARA Planning/Work Controls associated w Rad Shipping Incident
PROD00016001	02/13/2009 Human Performance Event Investigation Tool re CAP actions being closed incorrectly
PROD00016002	01/08/2009 Human Performance Department Clock Reset - Yellow Sheet re NRC Findings with cross cutting aspects
PROD00016003	08/29/2009 Action Request Record Report re Unplanned entry into T.S. 3.2.4 Cond A
PROD00016004	Apparent Cause Evaluation re Adverse Trend in Procedure Use and Adherence
PROD00016005	Past Operability of 11&12 refueling cavity pool liners
PROD00016006	CAP trends charts
PROD00016007	Apparent Cause Evaluation re Unplanned Safety System Actuation of 121 Motor-Driven Cooling Water Pump while aligned for safeguards use
PROD00016008	06/24/2009 Common Cause Evaluation Report re Station Human Performance items identified by NRC
PROD00016009	Less than Adequate Operability Determination for Refuel Pool Cavity
PROD00016010	Apparent Cause Evaluation re Potential Negative Trend in Human Performance evidenced by 3 NRC Violations with associated Crosscutting Aspects
PROD00016011	01/05/2009 PI Site-Wide Stand Down presentation
PROD00016012	04/06/2009 letter from D. Buschbaum of PWR Owners Group to PWROG Executive Committee re Utility's commitment to implement PWROG Stainless Steel Heater Sleve Inspection Recommendations

Document Number	Description
PROD00016013	01/30/2009 CAP Action Request Process manual
PROD00016014	CAP recovery plan
PROD00016015	Action Tracking Search Engine
PROD00016016	Action Tracking Search Engine
PROD00016017	01/09/2009 Human Performance Program manual
PROD00016018	08/05/2009 SnapShot Evaluation of HUIT Compliance with Procedural Requirements
PROD00016019	08/28/2009 SnapShot Report re Human Performance Improvement Team
PROD00016020	Human Performance Case Studies presentation
PROD00016021	Maintenance Department Human Performance Case Study presentation
PROD00016022	03/12/2009 Supervisory Diagnostic Assessment - Attachment and Summary
PROD00016023	11/24/2008 Action Request Report re USA Safety Culture FSA Weakness - Work Force Planning has not been fully effective
PROD00016024	02/17/2009 Common Cause Evaluation Report re Analyze important PI documentation to determine what Safety Culture Vulnerabilities exist
PROD00016025	NSPM Corrective Action Effectiveness Review re Adverse trend in station safety culture, specifically in Human Performance and Corrective Action
PROD00016026	Apparent Cause Evaluation re personnel Accountability
PROD00016027	04/08/2010 letter from M. Schimmel to NRC re Unanalyzed Condition Due to Potential Safety System Susceptibility to Turbine Building Flooding Due to a Postulated High Energy Line Break
PROD00016028	05/11/2009 Packing Leak
PROD00016029	Site Xcellence table
PROD00016030	Apparent Cause Evaluation re PI's cross cutting index
PROD00016031	Energy Supply Policy System - Nuclear Safety Culture and Risk Management Principles
PROD00016032	CAP 01183112-20 Evaluation of the 6 NRC violations (in the last 4 Quarters) in the NRC Crossing Aspect Conservative Assumptions H.1.b
PROD00016033	Corrective Action Implementation Gap Analysis: Implementation Standards
PROD00016034	Evaluation Gap Analysis re Corrective Action Program
PROD00016035	07/31/2008 RCE Report re 11 Turbine-Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning
PROD00016036	Evaluation of Safety Culture Impacts table
PROD00016037	11/03/2009 Performance Assessment Review Board Agenda re ensure Corrective Action, Self-Assessment, Operating Experience and Human Performance programs and processes are achieving desired level of performance improvement
PROD00016038	Corrective Action Program Backlog Aggregate Review
PROD00016039	10/23/2009 PI Performance Improvement Excellence Plan
PROD00016040	Request CAP for Adverse Trend in Station Safety Culture

Document Number	Description
PROD00016041	08/05/2009 Common Cause Evaluation Report re CAP assignments not being accepted within 7 days
PROD00016042	07/07/2009 NRC Information Notice re PINGP Unit 1 - Loss of Turbine-Driven AFW Pump
PROD00016043	12/21/2009 Apparent Cause Evaluation re Trend in HU to improve effectiveness of HU Improvement Team have not been effective
PROD00016044	Evaluation of Safety Culture Impacts table
PROD00016045	09/2009 SOER Evaluation Guideline re Organizational Effectiveness - Shutdown Safety Recommendation 1
PROD00016046	09/2009 SOER Evaluation Guideline re Maintenance & Work Management - Shutdown Safety Recommendation 10
PROD00016047	09/2009 SOER Evaluation Guideline re Performance Improvement and Learning - Shutdown Safety Recommendation 12
PROD00016048	09/2009 SOER Evaluation Guide re Operations/Operational Focus - Shutdown Safety Operations Recommendations (3, 4, 5, 6, and 7)
PROD00016049	09/2009 SOER Evaluation Guideline re Maintenance & Work Management - Shutdown Safety Recommendation 9
PROD00016050	07/14/2009 Human Performance event Investigation Tool re Closure of CAPR when all disqualifications have not been fully completed
PROD00016051	CE 1198070 CV-31325 11 Letdown Orifice ISOL CV A BA Indication Evaluation
PROD00016052	BACC CE 01198376, 11 RCP Vault Boric Acid Evaluation
PROD00016053	2/17/2009 Common Cause Evaluation Report re: analysis of Prairie Island documentation to determine what Safety Culture Vulnerabilities (exposures) exist
PROD00016054	NRC Performance Summary Inspection Results and NRC Open Issues
PROD00016055	Apparent Cause Evaluation CAP AR#: 01198937-01 re: failed Boric Acid Integrator
PROD00016056	Chart of Evaluation of Safety Culture Impacts
PROD00016057	Evaluation of Safety Culture Impacts form
PROD00016058	Evaluation of Safety Culture Impacts form
PROD00016059	Evaluation of the impact of continuing refueling cavity leakage
PROD00016060	11/6/2009 Apparent Cause Evaluation CAP AR#: 01201547 re: Probabilistic Risk Assessment for 12 Auxiliary Feedwater Pump and other items
PROD00016061	11/6/2009 Apparent Cause Evaluation CAP AR#: 01201547 re: Probabilistic Risk Assessment Allowable Out-of-service Time (AOT) for Electrical Bus 16, 12 Diesel Driven Cooling Water Pump (12 DDCLP) and 12 Auxiliary Feedwater Pump (12 AFWP)
PROD00016062	11/6/2009 Apparent Cause Evaluation CAP AR#: 01201547 re: Probabilistic Risk Assessment (PRA) Allowable Out-of-service Time (AOT) for Electrical Bus 16, 12 Diesel Driven Cooling Water Pump (12 DDCLP) and 12 Auxiliary Feedwater Pump (12 AFWP)
PROD00016063	Evaluation of Safety Culture Impacts form
PROD00016064	7/8/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers

Document Number	Description
PROD00016065	7/8/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers
PROD00016066	9/17/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers
PROD00016067	7/8/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers
PROD00016068	7/8/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers
PROD00016069	9/17/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers
PROD00016070	1/29/2009 PINGP Radiation Protection Implementing Procedure: Loading LSA Boxes/Sealand Containers
PROD00016071	4/15/2009 Operability Recommendation
PROD00016072	4/15/2009 Operability Recommendation
PROD00016073	Evaluation of Safety Culture Impacts form
PROD00016074	CE 01205105-05 17700-TEST manifold valve found out of expected position
PROD00016075	BACC CE 01205141 CV-31450 12 Accum Test Ln Before Check Isol CV re: boric acid leakage
PROD00016076	Evaluation of Safety Culture Impacts form
PROD00016077	3/31/2010 Apparent Cause Evaluation CAP AR#: 01205626 re: 12 Reactor Coolant Pump shut down
PROD00016078	Northern States Power Company PINGP Station Blackout/Electrical Safeguards Upgrade Program Design Report
PROD00016079	CE 1206901 RC-17-1 BA Indication Evaluation re: boric acid leakage
PROD00016080	CE 1206902 VC-16-26 BA Indication Evaluation re: dry boric acid on flange
PROD00016081	Human Performance (HU) Conservative Decision Making Resolution report
PROD00016082	Human Performance (HU) Conservative Decision Making Resolution report
PROD00016083	Steam Generator Integrity Guidelines Requirements Cross-reference Spreadsheet
PROD00016084	Evaluation of Safety Culture Impacts form
PROD00016085	2/11/2010 Apparent Cause Evaluation CAP AR#: 1211486 re: 11 TD Auxiliary Feedwater Pump
PROD00016086	2/12/2010 PINGP ARs Were Not Written After Discovery of Conditions Adverse to Quality. Event Date: January 18, 2010. RCE: AR 01211532-06
PROD00016087	2/12/2010 PINGP ARs Were Not Written After Discovery of Conditions Adverse to Quality. Event Date: January 18, 2010. RCE: AR 01211532-06
PROD00016088	Needs Assessment Worksheet re Corrective Action Program
PROD00016089	2/26/2010 Apparent Cause Evaluation CAP AR#: 01212774 re: macrofouling of the 12/22 diesel-driven cooling water pump
PROD00016090	7/11/2008 letter from J.W. Baker to H. Hoelscher re: Prairie Island Unit 2 Cycle 25 Final Reload Safety Evaluation
PROD00016091	Evaluation of Safety Culture Impacts form
PROD00016092	RCE Report. Prairie Island. Loss of Control of Radioactive Sources and Sensitive Keys. Event Date: 12/13/06 (occurred - VHRA key) 1/20/10 (discovered - VHRA key)
PROD00016093	3/12/2010 RCE Report. Prairie Island Loss of Control of Radioactive Sources and Sensitive Keys. Event Date: 121/13/2006 (occurred - VHRA key) 1/20/2010 (discovered - VHRA key)

Document Number	Description
PROD00016094	2/24/2010 Apparent Cause Evaluation CAP AR#: 1214959 re: operator decision making weaknesses
PROD00016095	3/26/2010 Apparent Cause Evaluation CAP AR#: 12114959 re: operator decision making weaknesses
PROD00016096	2/26/2010 Apparent Cause Evaluation CAP AR#: 1214963-01 re: maintenance performance and behaviors in human error prevention, foreign material exclusion (FME), and lifting and rigging practices
PROD00016097	3/5/2010 Apparent Cause Evaluation CAP AR#: 1214963-01 re: maintenance performance and behaviors in human error prevention, foreign material exclusion (FME), and lifting and rigging practices
PROD00016098	Evaluation of Safety Culture Impacts form
PROD00016099	4/11/2010 Maintenance 2010 Excellence Plan re: Human Performance and Industrial Safety, Equipment Reliability and Corrective Action Program Improvements
PROD00016100	Evaluation of Safety Culture Impacts form
PROD00016101	3/18/2010 Apparent Cause Evaluation CAP AR#: 01214975 re: safety problems including auxiliary feedwater pump issues
PROD00016102	3/18/2010 Apparent Cause Evaluation CAP AR#: 01214975 re: safety problems including auxiliary feedwater pump issues
PROD00016103	2/22/2010 Apparent Cause Evaluation CAPA AR#: 01214980 re: aligning the engineering department to consistently resolve technical issues
PROD00016104	RCE Report PINGP INPO AFI Operational Configuration Control (CM.2-1) Event Date: 1/23/2010. RCE: 01214986-01
PROD00016105	RCE Report PINGP INPO AFI Operational Configuration Control (CM.2-1) Event Date: 1/23/2010. RCE: 01214986-01
PROD00016106	4/8/2010 Apparent Cause Evaluation CAP AR#: 01215005 re: failures of safety-related components
PROD00016107	Evaluation of Safety Culture Impacts form
PROD00016108	Evaluation of Safety Culture Impacts form
PROD00016109	2/24/2010 Apparent Cause Evaluation CAP AR#: 01215434 re: CC-5-2 failed to meet the differential pressure acceptance criteria of SP 1155B during IST Check valve Closure testing due to boundary valve leakage
PROD00016110	Evaluation of Safety Culture Impacts form
PROD00016111	3/23/2010 Apparent Cause Evaluation CAP AR#: 01215887-01 rev.3 re: radioactive tool found outside the PI Radiologically Controlled Area
PROD00016112	4/29/2010 Apparent Cause Evaluation CAP AR#: 01215887-01 rev.4 re: radioactive tool found outside the PI Radiologically Controlled Area (RCA)
PROD00016113	2/25/2010 Apparent Cause Evaluation CAP AR#: 01215887-01 re: tools alarming the radiological detector
PROD00016114	Evaluation of Safety Culture Impacts form
PROD00016115	Evaluation of Safety Culture Impacts form
PROD00016116	Evaluation of Safety Culture Impacts form
PROD00016117	Evaluation of Safety Culture Impacts form
PROD00016118	Prairie Island Updated Safety Analysis Report Section 10

Document Number	Description
PROD00016119	BACC CE 01217332 MV-32170 BA Indication Evaluation re: Boric Acid deposit
PROD00016120	Evaluation of Safety Culture Impacts form
PROD00016121	BACC CE 01217660 2SI-20-54 BA Indication Evaluation re: valve packing leak which left one cup of Boric Acid deposit
PROD00016122	2/4/1981 NSPM report re: Auxiliary Feedwater Systems Information
PROD00016123	BACC CE 01218885, MV-32067 Packing Leak re: boric acid leakage
PROD00016124	CE 01218894 MV-32068 1 SAF INJ Loop B Cold Leg Isol MV re: boric acid leakage
PROD00016125	Evaluation of Safety Culture Impacts form
PROD00016126	Evaluation of Safety Culture Impacts form
PROD00016127	Evaluation of Safety Culture Impacts form
PROD00016128	Evaluation of Safety Culture Impacts form
PROD00016129	Evaluation of Safety Culture Impacts form
PROD00016130	Evaluation of Safety Culture Impacts form
PROD00016131	Evaluation of Safety Culture Impacts form
PROD00016132	Evaluation of Safety Culture Impacts
PROD00016133	BACC CE 01227719 CV-31425 Indication re: boric acid on many portions of a valve due to previous refueling cavity leakage
PROD00016134	BACC CE 01227719 CV-31425 Indication re: boric acid found on valve due to previous refueling cavity leakage
PROD00016135	BACC CE 01227719 CV-31425 Indication re: boric acid found on valve due to refueling cavity leakage
PROD00016136	BACC CE 1227969 MV-32169 2 RCS LP B Cold Leg RHR INJ MV BA Indication Evaluation re: boric acid indication
PROD00016137	BACC CE 1227969 MV-32169 2 RCS LP B Cold Leg RHR INJ MV BA Indication Evaluation re: boric acid indication
PROD00016138	BACC CE 1227969 Rev.2 MV-32169 2 RCS LP B Cold Leg RHR INJ MV BA Indication Evaluation re: boric acid indication
PROD00016139	BACC CE 1227969 Rev.2 MV-32169 2 RCS LP B Cold Leg RHR INJ MV BA Indication Evaluation re: boric acid indication
PROD00016140	5/23/2010 BACC CE 1228272 CV-31349 21 Letdown Orifice Isol CV C BA Indication Evaluation re: boric acid leakage
PROD00016141	Problem Statement Development Sheet (PSDS): Programmatic Breakdown of Site Labeling Program re: mispositioned valve on TDAFW
PROD00016142	5/1/2010 BACC CE 01230445 2RC-1-2 Loop A to 21 RCDT BA Indication Evaluation: re: boric acid leakage
PROD00016143	5/20/2010 BACC CE 01230445 2RC-1-2 Loop A to 21 RCDT BA Indication Evaluation re: boric acid leakage
PROD00016144	5/14/2010 BACC CE 01232430 Leakage into Sump C re: entry of refueling cavity water into sump C
PROD00016145	Notebook Attachment for Issue Number 19983551 re: water entering Sump B perhaps from refueling cavity

Document Number	Description
PROD00016146	External Operating Experience (XOE) Notebook Issue Number: 20016277 re: Recent Events Involving Reactor Coolant System Leakage at Pressurized Water Reactors
PROD00016147	Re-Assessment of PINGP Response to INPO SOER 98-1 "Safety System Status Control" ACC 20014392 PINGP October 2001
PROD00016148	INPO Significant Event Notification SEN 229: Reduced Level and Concentration in the Borated Water Storage Tanks of the Emergency Core Cooling and Residual Heat Removal System
PROD00016149	PINGP Root Cause Investigation Report Condition Report No. 20014153 At 24 MW, During Performance of 2C1.3, Unit 2 Turbine Manually Tripped Due to High Condenser DP of 2.5" Hg with Vacuum Decreasing
PROD00016150	Change Management Plan Trending Program Improvements July 2002
PROD00016151	5/2003/ Report, no author, no recipient, report on the self assessment process
PROD00016152	Department Roll-Up Meeting Results Department: Maintenance, October-December 2006
PROD00016153	Nuclear Oversight 4th Quarter of 2006 Assessment Report for Prairie Island
PROD00016154	PINGP Q-List Validation Project Spent Fuel Pool System Report, Draft for Comment
PROD00016155	Site Resets 2006 - 2007
PROD00016156	10/16/2006 License Renewal Aging Management Program Basis Document re: Boric Acid Corrosion (Revision A)
PROD00016157	9/27/2006 License Renewal Aging Management Review Report re: Reactor Vessel (Revision B)
PROD00016158	3/7/2007 License Renewal Aging Management Review Report re: Reactor Containment Vessels Units 1 and 2
PROD00016159	License Renewal Aging Management Review Report: PINGP Auxiliary and Turbine Buildings, Revision 0
PROD00016160	3/13/2007 License Renewal Aging Management Review Report re: Shield Buildings Unit 1 and 2
PROD00016161	3/12/2007 License Renewal Aging Management Review Report re: Component Supports (Draft Revision B)
PROD00016162	License Renewal Aging Management Program Basis Document re: Structures Monitoring Program (Revision A)
PROD00016163	9/5/2007 License Renewal Aging Management Program Basis Document re: Structures Monitoring Program
PROD00016164	Fourth Inservice Inspection Interval First Inspection Period Compliance Report
PROD00016165	Environmental Awareness Material
PROD00016166	2/27/2007 Prairie Island Excellence Plan
PROD00016167	Focused Self-Assessment re SOER 02-04 Rev. 1 Implementation, "Principles for a Strong Nuclear Safety Culture," 7/16/07-8/17/07
PROD00016168	August 2007 Focused Self Assessment Nuclear Safety Questionnaire
PROD00016169	Actions Taken to Address Identified CAP Issues
PROD00016170	August 25 - September 15, 2006 Focused Self Assessment Report: PINGP Preparation for Component Design Bases Inspection Based on NRC Inspection Manual 71111.21
PROD00016171	April - June 2007 DRUM Results, Department: Engineering
PROD00016172	License Renewal Aging Management Program Basis Document - Boric Acid Corrosion Program (Revision 1)
PROD00016173	License Renewal Aging Management Program Basis Document RE: Structures Monitoring Program
PROD00016174	PI&R Inspection Report Review

Document Number	Description
PROD00016175	October - December 2007 DRUM Results: Engineering
PROD00016176	2008 1st Quarter NMC Training Program Effectiveness Report re: Licensed Operator Requalification
PROD00016177	Design Bases Document for the Motor-Operated Valves Topic
PROD00016178	Design Bases Document for the Component Cooling System
PROD00016179	1/17/2008 Nuclear Oversight Assessment Effectiveness Review
PROD00016180	4/8/2008 Long Range Plan
PROD00016181	2008 2nd Quarter NMC Training Program Effectiveness Report - Non-Licensed Operator
PROD00016182	January - March 2008 Department Roll-up Meeting Results, Department: Engineering
PROD00016183	5/20/2008 Email From T. Blake to J. Anderson, E. Weinkam, H. Butterworth RE: Meeting Follow Up, Cross Cutting Issue Evaluation
PROD00016184	JANUARY - MARCH 2008 DRUM RESULTS RE: MAINTENANCE
PROD00016185	1st and 2nd Quarter 2008 DRUM Report re Self-Assessments
PROD00016186	April - June 2008 Department Roll-up Meeting Results, Department: Engineering
PROD00016187	6/10/2008 Emergency Plan Drill Critique Report
PROD00016188	7/1/2008 Letter from American Nuclear Insurers to Robert Miller RE: ANI Nuclear Liability Insurance Inspection
PROD00016189	9/11/2008 Letter from American Nuclear Insurers to Robert Miller RE: ANI Nuclear Liability Insurance Inspection
PROD00016190	Containment System, PowerPoint
PROD00016191	October - December 2008 department Roll-up Meeting Results RE: Maintenance
PROD00016192	2/9/2009 Department Roll-Up Meeting
PROD00016193	Design Bases Document For The Reactor Protection System (Revision 4)
PROD00016194	Design Bases Document For The Auxiliary Building (Revision 5)
PROD00016195	Design Bases Document For The Cooling Water System (Revision 6)
PROD00016196	Design Bases Document for the Containment (Revision 7)
PROD00016197	Design Bases Document for the Reactor Coolant System
PROD00016198	Design Bases for the Environmental Qualification of Electrical Equipment
PROD00016199	7/31/2008 Turbine Driven Auxiliary Feed Pump Valve Mispositioning
PROD00016200	2/11/2008 License Renewal Aging Management Program Basis Document RE: Boric Acid Corrosion Program
PROD00016201	1/4/2008 Renewal Aging Management Program Basis Document
PROD00016202	12/18/2007 Renewal Aging Management Program Basis Document (Revision 1)
PROD00016203	3/11/2008 Addendum To A License Renewal Report - Structures Monitoring Program
PROD00016204	2/9/2008 License Renewal Aging Management Program Basis Document
PROD00016205	3/6/2008 Addendum To A License Renewal Report - Thermal Aging Embrittlement Of Cast Austenitic Stainless Steel Program
PROD00016206	Needs Assessment Worksheet - Reduced Shutdown Safety Margins (REVISION 6)
PROD00016207	6/6/2008 Job Familiarization Guide - Training Committee Chairperson

Document Number	Description
PROD00016208	9/7/2006 Letter from C. Haney at NRC to M. Redderman at NMC re: Letter of intent to adopt Title 10 Part 50.48(c) of Code of Federal Regulations for plants including PINGP
PROD00016209	PINGP Fire Protection/Appendix R Focused Self Assessment (8/2008)
PROD00016210	3/4/2009 Action Request Record Report re: Ops review of CAPs
PROD00016211	3/4/2009 Action Request Record Report re: PCR not complete by due date
PROD00016212	7/9/2009 Challenge Board Notes re: RCE 1146005 and 95001 Inspection Readiness
PROD00016213	4/29/2009 Addendum to a License Renewal Report re: Selective Leaching of Materials Program
PROD00016214	2/2009 Addendum to a License Renewal Report re: External Surfaces Monitoring Program
PROD00016215	2/10/2009 Letter from S. West at NRC to M. Wadley at Xcel re: PINGP Preliminary Yellow Finding
PROD00016216	6/10/2009 Agenda for Curriculum Review Committee meeting (PI Security Training)
PROD00016217	Undated Accreditation Self-Evaluation Report
PROD00016218	Undated Accreditation Self-Evaluation Report
PROD00016219	Undated Accreditation Self-Evaluation Report
PROD00016220	Undated Accreditation Self-Evaluation Report
PROD00016221	2009 1st Quarter Engineering DRUM (4/30/2009)
PROD00016222	9/22/2009 Maintenance Rule A(1) Action Plan: Auxiliary Feedwater System
PROD00016223	2/3/2010 Maintenance Rule A(1) Action Plan re: Auxiliary Feedwater System
PROD00016224	Maintenance Rule System Specific Basis manual
PROD00016225	Removal of concrete from sump C pit
PROD00016226	Visual inspection of cavity leakage areas following refueling cavity repairs
PROD00016227	7/24/2009 2nd Quarter DRUM Report for Production Planning Department
PROD00016228	1st Quarter 2009 DRUM Report for RPC Department
PROD00016229	5/14/2009 Letter from J. Giessner at NRC to M. Wadley at Xcel re: PINGP Units 1 and 2 NRC Integrated Inspection Report
PROD00016230	6/11/2009 Letter from J. Giessner at NRC to M. Wadley at Xcel re: Information Request to Support Upcoming PINGP PI&R Inspection
PROD00016231	Fall 2009 Planning and Approval of High Risk or Scheduled Risk Work form
PROD00016232	7/30/2009 Xcel PINGP Inspection Program "B" Compliance Report
PROD00016233	7/30/2009 2nd Quarter DRUM Report for Engineering Department
PROD00016234	10/23/2009 3rd Quarter DRUM Report for Production Planning Department (draft)
PROD00016235	10/30/2009 3rd Quarter DRUM Report for Production Planning Department
PROD00016236	8/13/2009 2nd Quarter DRUM Report for RPC Department
PROD00016237	Power Point presentation titled Leadership Alignment Meeting re: CAP implementation (1/12/2010)
PROD00016238	8/5/2009 Letter and report from K.S. West at NRC to M. Wadley at Xcel re: PINGP Units 1 and 2 Preliminary White Finding
PROD00016239	Comments on NRC Inspection report 200910 - Component Cooling Water System and HELB susceptibility

Document Number	Description
PROD00016240	SOER Effectiveness Review Guide
PROD00016241	2007 PI Formal Benchmarking, Focused Self-Assessment, SnapShot Evaluation (INPO AFI related) Schedule Updated (10/25/2007)
PROD00016242	2008 PI Formal Benchmarking, Focused Self-Assessment, SnapShot Evaluation (INPO AFI related)
PROD00016243	2009 Focused Self-Assessment and Formal Benchmarking spreadsheet
PROD00016244	2010 Focused Self-Assessment and Formal Benchmarking spreadsheet
PROD00016245	5/28/2009 Letter and report from R. Daley at NRC to M. Wadley at Xcel re: PINGP Units 1 and 2 Triennial Fire Protection Inspection
PROD00016246	2/16/2007 SnapShot Report re: Readiness for INPO Primary System Integrity Review Visit
PROD00016247	Document titled BACC CE 01160641, MV-32067 Packing Leak
PROD00016248	Document titled BACC CE 01160647, SI-20-18 Packing Leak
PROD00016249	Document titled BACC CE 01184980, CS-12 BA Leak
PROD00016250	Document titled BACC CE 1181702, MV-32177 Packing Leak
PROD00016251	Document titled CE 01160650 MV-32070 1 SAF INJ Loop A Cold LEG ISOL MV
PROD00016252	Xcel manual titled Check Valve Program Standard (2/12/2009)
PROD00016253	PINGP procedure manual titled IST Check Valve Condition Monitoring Program (3/30/2006)
PROD00016254	Document titled CA 1131477 RC-8-31 BA Indication Evaluation
PROD00016255	Document titled CA 1131469 RC-8-9 BA Indication Evaluation
PROD00016256	PINGP Design Bases Document for the Reactor Coolant System
PROD00016257	PINGP Probabilistic Risk Assessment for Auxiliary Feedwater System (7/2008)
PROD00016258	PINGP Probabilistic Risk Assessment for Component Cooling System (8/2008)
PROD00016259	10/2009 NOS Observation Report re: Pre-95001 Inspection Assessment (Rad Material Shipment)
PROD00016260	Manual titled Reactor Coolant System (6/2007)
PROD00016261	9/25/2009 Letter from J. Giessner at NRC to M. Schimmel at Xcel re: PINGP Units 1 and 2 NRC Biennial Inspection
PROD00016262	Xcel Training Program Effectiveness Report for PINGP Licensed Operator Requal (2009)
PROD00016263	Xcel Training Program Effectiveness Report for PINGP Shift Manager - STA (2009)
PROD00016264	12/12/2009 3rd Quarter DRUM Report for PI Radiation Protection and Chemistry Department
PROD00016265	Untitled report re: 4/2009 HELB in turbine building
PROD00016266	Concrete sampling following cavity leak repairs
PROD00016267	Xcel Training Program Effectiveness Report for PI Licensed Operator Requal (1st Qtr 2010)
PROD00016268	Xcel Training Program Effectiveness Report for PI Shift Manager/Shift Technical Advisor (1st Qtr 2010)
PROD00016269	11/3/2009 Nuclear Oversight Assessment Effectiveness Review
PROD00016270	1/31/2010 4th Quarter 2009 DRUM for Engineering Department
PROD00016271	1/12/2010 Letter from A. Boland at NRC to M. Schimmel at PINGP re: PINGP Units 1 and 2 NRC Supplemental Inspection Report

Document Number	Description
PROD00016272	2/8/2010 Letter from J. Giessner at NRC to M. Schimmel at PINGP re: NRC Integrated Inspection Report
PROD00016273	3/15/2010 INPO AFI Status Report
PROD00016274	Causal analysis and INPO assessment
PROD00016275	3/11/2009 NOS Observation Report re: Operations
PROD00016276	1/8/2010 NOS Observation Report re: Operations
PROD00016277	3/27/2010 NOS Observation Report re: Operations
PROD00016278	PINGP Updated Safety Analysis Report, Section 1 (undated)
PROD00016279	PINGP Updated Safety Analysis Report, Reactor Coolant System (undated)
PROD00016280	Report re: findings and observations and other nuclear plants, with PINGP response
PROD00016281	Letter from M. Schimmel at PINGP to US NRC re: 30-day response to Human Performance substantive cross-cutting issue
PROD00016282	3/3/2010 Letter from S. West at NRC to M. Schimmel re: Annual Assessment Letter - PINGP Units 1 and 2
PROD00016283	4/22/2010 1st Quarter DRUM Report for Security Department
PROD00016284	Undated letter from M. Schimmel to NRC re: Supplement to License Amendment Request for Measurement Uncertainty Recapture (draft)
PROD00016285	Undated letter with enclosures from M. Schimmel to NRC re: Supplement to License Amendment Request for Measurement Uncertainty Recapture (draft)
PROD00016286	4/12/2010 Letter from A.M. Stone at NRC to M. Schimmel re: PINGP, Units 1 and 2 Ultimate Heat Sink Inspection Report
PROD00016287	5/20/2010 Desk Guide/Job Aid titled Corrective Action Program
PROD00016288	Work Order Log
PROD00016289	Work Order Log
PROD00016290	9/10/2005 Power Point SOER 02-4 Prairie Islands Response
PROD00016291	SOER 02-4 Evaluation
PROD00016292	External Operating Experience (XOE) Notebook: Recent Experience with Reactor Coolant System Leakage and Boric Acid Corrosion
PROD00016293	External Operating Experience (XOE) Notebook: Reactor Vessel Bottom Mounted Instrument Penetration Seepage
PROD00016294	7/13/2000 PI Internal Operating Experience Assessment: 22 Steam Generator cold Leg Bowl Drain Plug Installation
PROD00016295	7/13/2000 Prairie Island Internal Operating Experience Assessment: 22 Steam Generator cold Leg Bowl Drain Plug Installation
PROD00016296	2003 External Operating Experience (XOE) Notebook: Severe Damage to Fuel External to the Reactor due to a Loss of Decay-Heat Removal
PROD00016297	External operating experience (XOE) Notebook re Operational Decision making
PROD00016298	Notes from NRC meeting/conference

Document Number	Description
PROD00016299	External Operating Experience (XOE) Notebook - Regulatory Information Conference - Safety Conscious Work Environment
PROD00016300	Notes from NRC meeting
PROD00016301	Notes from NRC meeting
PROD00016302	External operating experience (XOE) notebook - Internal OE
PROD00016303	8/25/2008 NRC Regulatory issue summary 2005-18 Guidance for establishing and maintaining a safety conscious work environment
PROD00016304	Operating experience evaluation re DAEC RCE1035 applicability to PINGP
PROD00016305	Operating experience evaluation re DAEC RCE1035 for applicability to PINGP
PROD00016306	Duane Arnold Energy Center: Root cause analysis of an adverse trend in tagging process issues at the DAEC - Event date 9/15/2005
PROD00016307	Operating Experience Evaluation: 2008 Evaluation Report - Organizational Effectiveness Analysis
PROD00016308	22 TURBINE DRIVEN AUXILIARY FEEDWATER PUMP AUTO START AND FUNCTIONAL REFUELING OUTAGE TEST Rev 16 effective 12/16/2005
PROD00016309	22 TURBINE DRIVEN AUXILIARY FEEDWATER PUMP AUTO START AND FUNCTIONAL REFUELING OUTAGE TEST Rev 17
PROD00016310	ASME Inservice Testing Program rev 18 with attachments
PROD00016311	22 TURBINE DRIVEN AUXILIARY FEEDWATER PUMP AUTO START AND FUNCTIONAL REFUELING OUTAGE TEST Rev 18
PROD00016312	ASME Inservice Testing Program rev 18 with attachments
PROD00016313	Boric Acid Corrosion Control Program rev 8
PROD00016314	Boric Acid Corrosion Control Program rev 7
PROD00016315	Root Cause Evaluation Instructions: establishes guidance and requirements for the conduct of root cause evaluation at Prairie Island rev 10 effective 7/1/2005
PROD00016316	ASME Inservice Testing Program rev 20 and attachments
PROD00016317	10/4/2005 DBD Change Notice Rev 4 Auxiliary Feedwater System
PROD00016318	Design Bases Document for the Cooling Water System Rev 5
PROD00016319	Design Bases Document for the Containment rev 6
PROD00016320	Conduct of Operations Procedure rev 2
PROD00016321	Systematic Approach to Training (SAT) Overview Procedure rev 5 effective date 7/1/2005
PROD00016322	Unit 2 Insulated Bolted Connection Inspection rev 4
PROD00016323	Unit 1 Insulated Bolted Connection Inspection rev 6
PROD00016324	Unit 1 Insulated Bolted Connection Inspection rev 6
PROD00016325	Unit 1 Insulated Bolted Connection Inspection rev 6
PROD00016326	Unit 1RCS Bolting Inspection rev 5
PROD00016327	Unit 1 Insulated Bolted Connection Inspection rev 6

Document Number	Description
PROD00016328	Containment at Power Quarterly Inspection rev 48
PROD00016329	ASME Inservice Testing Program re 21 and attachments
PROD00016330	Boric Aid Corrosion Control Program Rev 8
PROD00016331	Boric Acid Corrosion Control Program rev 9
PROD00016332	Containment at Power Quarterly Inspection rev 49
PROD00016333	Containment at Power Quarterly Inspection Procedure rev 48 with effective date 2/12/2007
PROD00016334	Maintenance Procedure: Refuel Cavity Caulking, Rev. 0
PROD00016335	Refuel Cavity Caulking Procedure rev 0
PROD00016336	Boric Acid Corrosion Control Program rev 10
PROD00016337	Boric Acid Corrosion Control Program rev 10 with effective date 6/5/2007
PROD00016338	Simulator Exercise Guide (2/23/2007)
PROD00016339	Turbine Driven Auxiliary Feedwater Pump Autostart and Functional Refueling Outage Test. (12/16/2005)
PROD00016340	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016341	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016342	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (Rev. 19)
PROD00016343	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016344	Turbine Driven Aux Feed Pump Refueling Inspection (3/16/2007)
PROD00016345	Boric Acid Corrosion Control Program
PROD00016346	ASME Inservice Testing Program
PROD00016347	Boric Acid Corrosion Control Manual (7/13/2007)
PROD00016348	Boric Acid Corrosion Control Program
PROD00016349	Containment Inspection Plan
PROD00016350	Plant Check Valve Program
PROD00016351	Prairie Island Check Valve Program (10/18/2007)
PROD00016352	Plant Check Valve Program
PROD00016353	Plant Check Valve Program
PROD00016354	Turbine Drive Aux Feed Pump Refueling Inspection (7/26/2007)
PROD00016355	Relief Valve Program
PROD00016356	Isolation, Restoration, and Testing of Aux Feed Pump
PROD00016357	Isolation, Testing, and Restoration of 22 Aux Feed Pump
PROD00016358	Isolation, Testing, and Restoration of 22 Aux Feed Pump
PROD00016359	Reactor Vessel Integrity Program
PROD00016360	Sampling and Analysis Guidance for Deposits Found on Reactor Pressure Vessels at Various Locations (Sept. 2003)
PROD00016361	Isolation, Testing, and Restoration of Aux Feed Pump
PROD00016362	Isolation, Testing, and Restoration of Aux Feed Pump

Document Number	Description
PROD00016363	Tactical Drill & Force on Force Exercise Program (9/13/2007)
PROD00016364	ASME Inservice Testing Program
PROD00016365	Boric Acid Corrosion Control Program (8/27/2007)
PROD00016366	Boric Acid Corrosion Control Program
PROD00016367	Boric Acid Corrosion Control Program
PROD00016368	Industrial Safety Work Practices
PROD00016369	Significant Hazard Events
PROD00016370	Significant Hazard Events
PROD00016371	Significant Hazard Events
PROD00016372	Significant Hazard Events
PROD00016373	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016374	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016375	Reactor Vessel Integrity Program
PROD00016376	Quality Assurance Topical Report
PROD00016377	ASME Inservice Testing Program
PROD00016378	Reactor Coolant System Integrity Test
PROD00016379	Isolation, Restoration, and Testing of Aux Feed Pump (11/20/2007)
PROD00016380	Isolation, Restoration, and Testing of Aux Feed Pump
PROD00016381	Temporary Change Request for: Isolation, Restoration, and Testing of Aux Feed Pump (11/20/2007)
PROD00016382	Isolation, Restoration, and Testing of Aux Feed Pump
PROD00016383	Isolation, Restoration, and Testing of Aux Feed Pump
PROD00016384	Temporary Change Request for Reactor Coolant System integrity Test (6/19/2007)
PROD00016385	Temporary Change Request for Reactor Coolant System Integrity Test (6/19/2007)
PROD00016386	Reactor Coolant System Integrity Test (9/27/2006)
PROD00016387	Reactor Coolant System Integrity Test
PROD00016388	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (9/12/2007)
PROD00016389	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016390	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (9/12/2007)
PROD00016391	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (12/17/2007)
PROD00016392	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (12/17/2007)
PROD00016393	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016394	Unit 1 reactor Vessel Closure
PROD00016395	Unit 2 Reactor Vessel Closure.
PROD00016396	4th Interval Inservice Inspection Plan - Units 1 & 2 (6/9/2008)
PROD00016397	4th Interval Inservice Inspection Plan - Units 1 & 2
PROD00016398	Refuel Cavity Caulking

Document Number	Description
PROD00016399	Reactor Coolant System Integrity Test
PROD00016400	Reactor Coolant System Integrity Test
PROD00016401	Reactor Coolant System Integrity Test
PROD00016402	Industrial Safety Work Practices
PROD00016403	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016404	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016405	ASME Inservice Testing Program
PROD00016406	Component Cooling System - Unit 2
PROD00016407	Unit 2 Reactor Vessel head Removal
PROD00016408	Unit 2 Reactor Vessel Head Removal.
PROD00016409	Unit 2 Reactor Vessel Closure
PROD00016410	Asme Section XI Inservice Inspection and Pressure Testing(6/22/2007)
PROD00016411	Asme Section XI Inservice Inspection and Pressure Testing
PROD00016412	Temporary Change Request for Reactor Coolant System Integrity Test (7/31/2008)
PROD00016413	Temporary Change Request for Reactor Coolant System Integrity Test (7/31/2008)
PROD00016414	Temporary Change Request for Reactor Coolant System Integrity Test (7/31/2008)
PROD00016415	Reactor Coolant System Integrity Test
PROD00016416	Containment Inspection Plan (11/13/2007)
PROD00016417	Containment Inspection Plan
PROD00016418	Unit 1 Insulated Bolted Connection Inspection (2/13/2008)
PROD00016419	Unit 1 Insulated Bolted Connection Inspection (2/13/2008)
PROD00016420	Unit 1 Insulated Bolted Connection Inspection
PROD00016421	Unit 1 Insulated Bolted Connection Inspection
PROD00016422	Refuel Cavity Caulking
PROD00016423	Plant Check Valve Program
PROD00016424	Unit 2 Reactor Vessel Head Removal
PROD00016425	Isolation, Restoration and Testing or Aux Feed Pump
PROD00016426	Isolation, Restoration and Testing or Aux Feed Pump
PROD00016427	ASME Inservice Testing Program (1/15/2008)
PROD00016428	Unit 2 Reactor Vessel Closure
PROD00016429	Reactor Coolant System Integrity Test
PROD00016430	Reactor Coolant System Integrity Test
PROD00016431	Reactor Coolant System Integrity Test
PROD00016432	Temporary Change Request for Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (10/26/2008).
PROD00016433	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test

Document Number	Description
PROD00016434	Temporary Change Request for Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (9/30/2008).
PROD00016435	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (11/14/2008).
PROD00016436	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (11/14/2008)
PROD00016437	Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROD00016438	Temporary Change Request for Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (10/26/2008).
PROD00016439	Temporary Change Request for Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test (10/26/2008).
PROD00016440	Site Training and Staff Selection (1/25/2008)
PROD00016441	Site Training and Staff Selection
PROD00016442	4th Interval Inservice Inspection Plan - Units 1 & 2
PROD00016443	Reactor Coolant System Integrity Test
PROD00016444	Relief Valve Program
PROD00016445	Containment at Power Quarterly Inspection
PROD00016446	Plant Check Valve Program
PROD00016447	Leakage Examination of Pressure Retaining Components on the Reactor Vessel Head (10/19/2006).
PROD00016448	Leakage Examination of Pressure Retaining Components on the Reactor Vessel Head
PROD00016449	Packaging of Radioactive Material For Shipment
PROD00016450	Packaging of Rad Material for Shipment
PROD00016451	Packaging Radioactive Material for Shipment
PROD00016452	Packaging Radioactive Material for Shipment
PROD00016453	Packaging Radioactive Material for Shipment
PROD00016454	Relief Valve Program (5/20/2008)
PROD00016455	Relief Valve Program
PROD00016456	ASME Section XI Inservice Inspection and Pressure Testing
PROD00016457	Industrial Safety Work Practices
PROD00016458	Reactor Vessel Integrity Program
PROD00016459	Reactor Vessel Integrity Program
PROD00016460	Boric Acid Corrosion Control Program (2/16/2009)
PROD00016461	Boric Acid Corrosion Control Program
PROD00016462	Packaging of Radioactive Material for Shipment
PROD00016463	Packaging of Radioactive Material for Shipment
PROD00016464	Temporary Change Request for Isolation, Restoration, and Testing of Auxiliary Feedwater Pump (9/20/2008)
PROD00016465	Temp Change Request for Isolation, Restoration, and Testing of Auxiliary Feedwater Pump (9/30/2008)
PROD00016466	Isolation, Restoration, and Testing of TD Auxiliary Feedwater Pump

Document Number	Description
PROD00016467	Temp Change Request for Isolation, Restoration, and Testing of Auxiliary Feedwater Pump (9/30/2008)
PROD00016468	Isolation, Restoration, and Testing of Auxiliary Feedwater Pump (3/17/2008).
PROD00016469	Containment Inspection Plan (7/7/2009)
PROD00016470	Human Performance Observation Program
PROD00016471	Reactor Vessel Integrity Program
PROD00016472	Reactor Vessel Integrity Program
PROD00016473	Reactor Vessel Bottom Head Bare metal Visual Examination (5/15/2008).
PROD00016474	Reactor Vessel Bottom head Bare Metal Visual Examination
PROD00016475	Relief Valve Program
PROD00016476	Temp Change Request for Isolation, Restoration and Testing of Auxiliary Feedwater Pump (9/30/2008).
PROD00016477	Temp Change Request for Isolation, Restoration and Testing of Auxiliary Feedwater Pump (9/30/2008).
PROD00016478	Temp Change Request for Isolation, Restoration and Testing of Auxiliary Feedwater Pump (9/30/2008).
PROD00016479	Isolation, Restoration and Testing of Auxiliary Feedwater Pump
PROD00016480	6/30/2009 Email from D. Axt to P. Beyers and others at Xcel RE: CNO Approval
PROD00016481	2nd Internal Containment Inspection Plan Units 1 & @
PROD00016482	Prairie island Nuclear Generating Plant Unit 1 and 2 Containment Inservice Inspection Jurisdictional boundary Basis
PROD00016483	Containment Inspection Plan units 1 & 2
PROD00016484	568th meeting Advisory committee on Reactor Safeguards (12/3/2009).
PROD00016485	packaging of radioactive material for shipment
PROD00016486	packaging of radioactive material for shipment
PROD00016487	boric acid corrosion control program
PROD00016488	leakage examination of pressure retaining components on the reactor vessel head
PROD00016489	reactor vessel head removal procedure
PROD00016490	refuel cavity seal installation procedures
PROD00016491	Surveillance Requirements Mode 5, Cold Shutdown checklist
PROD00016492	industrial safety practices - plant safety procedures
PROD00016493	industrial safety work practices plant safety procedures
PROD00016494	Unit 1 Reactor Vessel Closure
PROD00016495	B4A Reactor Coolant System
PROD00016496	Unit 1 insulated bolted connection inspection
PROD00016497	Unit 1 insulated bolted connection inspection
PROD00016498	Control and oversight of supplemental personnel
PROD00016499	Control and oversight of supplemental personnel
PROD00016500	11 turbine driven auxiliary feedwater pump auto start and functional refueling outage test
PROD00016501	11 Turbine Driven Auxiliary Feedwater pump auto start and functional refueling outage test

Document Number	Description
PROD00016502	Isolation, restoration and testing of 11 TD Aux feed pump
PROD00016503	emergency action level technical bases procedure
PROD00016504	emergency action level technical bases procedure
PROD00016505	emergency action level technical bases procedure
PROD00016506	emergency action level technical bases procedure
PROD00016507	reactor vessel closure head bare metal visual examination
PROD00016508	isolation, restoration and testing of 22 aux feed pump
PROD00016509	Reactor vessel bottom head bare metal visual examination
PROD00016510	shift organization, operation and turnover
PROD00016511	fuel handling system
PROD00016512	fuel handling system
PROD00016513	boric acid corrosion control program
PROD00016514	reactor vessel integrity program
PROD00016515	refuel cavity caulking
PROD00016516	turbine driven auxiliary feedwater pump auto start and functional refueling outage test
PROD00016517	turbine driven auxiliary feedwater pump auto start and functional refueling outage test
PROD00016518	shift organization, operation and turnover
PROD00016519	site training and staff selection
PROD00016520	site training and staff selection
PROD00016521	design bases document for the cooling water system
PROD00016522	site training and staff selection
PROD00016523	site training and staff selection
PROD00016524	site training and staff selection
PROD00016525	site training and staff selection
PROD00016526	self assessment 22172 mid cycle Jan 13-17, 2003
PROD00016527	2004 NMC employee concerns program self assessment
PROD00016528	SOER 02-4 Recommendation 2 PI focused self assessment plan
PROD00016529	SOER 02-4 recommendation 2 focused self-assessment
PROD00016530	PINGP CAP self assessment report June 23-27, 2003
PROD00016531	focused self assessment of CAP effectiveness June 21-24, 2004
PROD00016532	focused self assessment of CAP effectiveness June 21-24, 2004
PROD00016533	organizational & supervisory effectiveness self assessment April 11-14, 2005
PROD00016534	focused self assessment report 9/25/2006-9/28/2006
PROD00016535	DuPont Safety Resources: SCIP Safety Perception Survey Results
PROD00016536	DuPont Safety Resources: SCIP Safety Perception Survey
PROD00016537	DuPont Safety Resources: SCIP Safety Perception Survey

Document Number	Description
PROD00016538	DuPont Safety Resources: SCIP Safety Perception Survey
PROD00016539	DuPont Safety Resources: SCIP Safety Perception Survey
PROD00016540	focused self assessments for radiation protection program
PROD00016541	focused self assessment for radiation protection program
PROD00016542	focused self assessment implementation principles for a strong nuclear safety culture
PROD00016543	focused self assessment nuclear safety questionnaire August 2007
PROD00016544	focused self assessment evaluation report 10/15/2007 - 10/30/2007 and 12/01/2007 - 1/11/2008
PROD00016545	focused self assessment evaluation report 10/15/2007 - 10/30/2007 and 12/01/2007 - 1/11/2008
PROD00016546	Prairie Island operations training self evaluation 8/11/2008 - 8/15/2008
PROD00016547	Prairie Island operations training self evaluation 8/11/2008 - 8/15/2008
PROD00016548	Prairie Island operations training self evaluation 8/11/2008 - 8/15/2008
PROD00016549	Prairie Island operations training self evaluation 8/11/2008 - 8/15/2008
PROD00016550	fire protection focused self assessment 9/25/2008 - 8/29/2008
PROD00016551	fire protection focused self assessment
PROD00016552	2008 mid cycle focused self assessment
PROD00016553	nuclear safety culture assessment conducted by Utilities Service Alliance 8/25/2008 - 8/29/2008
PROD00016554	conduct of focused self assessment - management sponsor feedback
PROD00016555	NRC self assessment 5/18/2009 - 5/27/2009
PROD00016556	focus self assessment CAP - 1/12/2009 - 1/16/2009
PROD00016557	focus self assessment CAP 1/12/2009 - 1/16/2009
PROD00016558	2009 PINGP pre-NRC FSA Report
PROD00016559	2009 PING pre-NRC Inspection FSA Report
PROD00016560	2009 PINGP pre NRC Inspection FSA Report
PROD00016561	focused self assessment report 6/1/2009 - 6/5/2009
PROD00016562	focused self assessment - outage readiness 6/1/2009 - 6/5/2009
PROD00016563	focused self assessment - outage readiness 6/1/2009 - 6/5/2009
PROD00016564	focused self assessment report - plant health committee FSA 4/20/2009 - 4/23/2009
PROD00016565	focused self assessment report - plant health committee FSA 4/20/2009 - 4/23/2009
PROD00016566	Turbine Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning
PROD00016567	Turbine Driven Auxiliary Feedwater Pump Discharge Pressure Switch Manifold Isolation Mispositioning
PROD00016568	PINGP Radioactive Material Exceeded DOT Limits
PROD00016569	Identified NRC crosscutting issues 7/2/2008
PROD00016570	Identified NRC crosscutting issues 7/2/2008
PROD00016571	Identified NRC crosscutting issues 7/2/2008
PROD00016572	Nuclear Oversight 4th quarter 2009
PROD00016573	corrective action program overall health

Document Number	Description
PROD00016574	NRC performance summary
PROD00016575	performance summary 1/1/209 - 9/1/2009
PROD00016576	leadership forums for continuous performance
PROD00016577	4/26/2010 CAP Report Card for all departments
PROD00016578	3/2010 Prairie Island Corrective Action Program Evaluation
PROD00016579	4/9/2010 Focused Self Assessment and Formal Benchmarking Schedule
PROD00016580	4/3/2007 Simulator Training Program and Assessment
PROD00016581	Training Excel Spreadsheet
PROD00016582	10/9/2006 Training Curriculum Review
PROD00016583	ESP Continuing Training Reactor Oversight Process power point
PROD00016584	5/1/2008 letter from LeBlond & Associates to S. Myers regarding course offering for personnel
PROD00016585	7/28/2008 letter from LeBlond and Associates to M. Walter regarding class offering to personnel
PROD00016586	2009 Human Performance for Engineers power point presentation on training
PROD00016587	Training power point presentation
PROD00016588	Training power point presentation
PROD00016589	Training power point presentation
PROD00016590	Training power point presentation
PROD00016591	10/2000 Statutory Event Reporting Guidelines
PROD00016592	Design Description Form regarding DDCLP Cooling Supply Modification
PROD00016593	Prairie Island updated safety analysis report
PROD00016594	Prairie Island Updated Safety Analysis Report
PROD00016595	Prairie Island Updated Safety Analysis Report
PROD00016596	Prairie Island Updated Safety Analysis Report
PROD00016597	Prairie Island Updated Safety Analysis Report
PROD00016598	Prairie Island Updated Safety Analysis Report
PROD00016599	Prairie Island Updated Safety Analysis Report
PROD00016600	Prairie Island Updated Safety Analysis Report
PROD00016601	Prairie Island Updated Safety Analysis Report
PROD00016602	Prairie Island Updated Safety Analysis Report
PROD00016603	Prairie Island Updated Safety Analysis Report
PROD00016604	Prairie Island Updated Safety Analysis Report
PROD00016605	Prairie Island Updated Safety Analysis Report
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PROD00016607	Prairie Island Updated Safety Analysis Report
PROD00016608	Prairie Island Updated Safety Analysis Report
PROD00016609	Prairie Island Updated Safety Analysis Report

Document Number	Description
PROD00016610	Prairie Island Updated Safety Analysis Report
PROD00016611	Prairie Island Updated Safety Analysis Report
PROD00016612	Prairie Island Updated Safety Analysis Report
PROD00016613	Prairie Island Updated Safety Analysis Report
PROD00016614	Prairie Island Updated Safety Analysis Report
PROD00016615	Prairie Island Updated Safety Analysis Report
PROD00016616	Prairie Island Updated Safety Analysis Report
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PROD00016618	Prairie Island Updated Safety Analysis Report
PROD00016619	Prairie Island Updated Safety Analysis Report
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PROD00016646	Prairie Island Updated Safety Analysis Report
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PROD00016657	Prairie Island Updated Safety Analysis Report
PROD00016658	Prairie Island Updated Safety Analysis Report
PROD00016659	Prairie Island Updated Safety Analysis Report
PROD00016660	5/24/2007 Engineering All Hands Meeting regarding training
PROD00016661	Constellation Nuclear Generation Fleet Administrative Procedure Work Order Screening and Prioritization
PROD00016662	1/30/2008 Nuclear Management Manual
PROD00016663	Exelon Nuclear Work Screening and Processing
PROD00016664	Work Management Process Operations Roles and Responsibilities - Xcel Power point
PROD00016665	9/26/2005 Accountability Leadership Development Course
PROD00016666	10/15/2008 Fleet Supervisor Leadership Development Training Program- Diagnostic Assessment Guide; Observation Coaching and Human Performance Skills
PROD00016667	1/6/2009 Safety Culture Group Discussion Leadership Forum
PROD00016668	2/3/2009 Leadership Forum Focus Areas and Priorities
PROD00016669	Prairie Island Nuclear Generating Plant Employee Feedback and Team Charter
PROD00016670	2009 Supervisory Leadership Development Training power point
PROD00016671	Prairie Island mid-cycle focused self-assessment
PROD00016672	10/16/2009 Area of Improvement regarding leadership and commitment to reliable and safe station operation
PROD00016673	8/2009 Evaluation of Vessels and Seismic screening
PROD00016674	Station comments on Performance Improvement document
PROD00016675	9/14/2009 Design Bases Document for the Containment, DBD STR-01, Revision 7
PROD00016676	8/25/2009 Design Bases Document for the Auxiliary Building, DBD STR-02, Revision 5
PROD00016677	9/15/2009 Design Bases Document for the Reactor Coolant System, DBD SYS-04, Revision 5
PROD00016678	9/14/2009 Design Bases Document for the Chemical and Volume Control System, DBD SYS-12A, Revision 3
PROD00016679	8/21/2009 Design Bases Document for the Component Cooling System, DBD SYS-14, Revision 4
PROD00016680	8/25/2009 Design Bases Document for the Residual Heat Removal System, DBD SYS-15, Revision 5

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PROD00016681	9/11/2009 Design Bases Document for the Spent Fuel Pool Cooling System, DBD SYS-16, Revision 2
PROD00016682	8/25/2009 Design Bases Document for the Safety Injection System, DBD SYS-18A, Revision 5
PROD00016683	8/21/2009 Design Bases Document for the Containment Spray System, DBD SYS-18D, Revision 3
PROD00016684	Design Bases Document for the Auxiliary Feedwater System
PROD00016685	9/1/2009 Design Bases Document for the Cooling Water System, DBD SYS-35, Revision 6
PROD00016686	8/21/2009 Design Bases Document for the Motor-Operated Valves Topic, DBD TOP-10, Revision 3
PROD00016687	7/14/2009 Design Bases Document for the Plant Piping Topic, DBD TOP-11, Revision 4
PROD00016688	8/25/2009 Design Bases Document for the Independent Spent Fuel Storage Installation, DBD TOP-17, Revision 1
PROD00016689	Design Bases Document for the Cooling Water System, DBD SYS-35, Revision 7
PROD00016690	Human Performance Evaluation Worksheet
PROD00016691	7/1/2005 Administrative Work Instruction: Root Cause Evaluation, Revision 10
PROD00016692	7/28/2004 Nuclear Safety Culture evaluative criteria and performance expectations doc
PROD00016693	Control and Oversight of Supplemental Personnel 5AWI
PROD00016694	9/17/2009 Administrative Work Instruction: Fuel Integrity Program, Revision 17
PROD00016695	Site Training and Staff Selection Administrative Work Instruction
PROD00016696	11/16/2009 Administrative Work Instruction: Compensatory Measures for Equipment Affecting Implementation of the Emergency Plan, Revision 2
PROD00016697	9/28/2004 Corporate Office Quality Procedures performance assessment fleet procedure
PROD00016698	Site Training and Staff Selection 5AWI
PROD00016699	Prairie Island License Requalification Training document
PROD00016700	8/7/09 Surveillance Requirements Mode 5, Cold Shutdown, PINGP.
PROD00016701	11/4/09 Reactor Coolant System Unit 1at PINGP.
PROD00016702	11/9/09 Reactor Coolant System Unit 2 at PINGP.
PROD00016703	PINGP Preventative Maintenance Procedures: Refuel Cavity Seal Installation
PROD00016704	2/22/2010 H Procedure: Generic Letter 89-13 Implementing Program, Revision 14
PROD00016705	9/1/2009 H Procedure: Reactor Vessel Integrity Program, Revision 6
PROD00016706	6/24/2008 analysis of PINGP incore instrumentation system.
PROD00016707	11/1/2009 Technical review of reactor coolant system at PINGP
PROD00016708	Plant Safety Procedure: Significant Hazard Events, F10 Appendix D
PROD00016709	Component Cooling System hydraulic model.
PROD00016710	PINGP design specs for residual heat removal system.
PROD00016711	Prairie Island Updated Safety Analysis Report
PROD00016712	Prairie Island Updated Safety Analysis Report
PROD00016713	Design solicitation for IA compressor cooling water tie in piping at PINGP.
PROD00016714	Design description form for IA compressor cooling water tie in piping at PINGP.

Document Number	Description
PROD00016715	Design description form for IA compressor cooling water tie in piping at PINGP.
PROD00016716	Design description form for IA compressor cooling water tie in piping at PINGP.
PROD00016717	Design description for IA compressor cooling water tie in piping at PINGP.
PROD00016718	PINGP procedure 5AWi 3.3.5 (i.e. HELB flooding at PINGP)
PROD00016719	Reactor Coolant System Modification No. 04RC01 at PINGP.
PROD00016720	Modification of Residual heat Removal System at PINGP.
PROD00016721	Equivalency Evaluation for fixtures on refueling cavity wall at PINGP.
PROD00016722	Root Cause Evaluation proposal for Unit 1 Refueling Cavity at PINGP.
PROD00016723	Equivalency evaluation for fixture on refueling cavity wall at PINGP.
PROD00016724	12/17/2009 letter from Xcel to NRC regarding safety and postulated HELB.
PROD00016725	4/30/2007 causation analysis for leakage from refuel cavity at PINGP Unit 2.
PROD00016726	4/30/2007 causation analysis for leakage from refuel cavity at PINGP Unit 2.
PROD00016727	4/30/2007 causation analysis for leakage from refuel cavity at PINGP Unit 2.
PROD00016728	4/30/2007 causation analysis for leakage from refuel cavity at PINGP Unit 2.
PROD00016729	4/30/2007 causation analysis for leakage from refuel cavity at PINGP Unit 2.
PROD00016730	12/16/2008 letter from ED Associates to Kurt Peterson at PINGP offering service proposal for NRC 95002 inspection assistance.
PROD00016731	6/12/2009 letter from ED Associates to Kurt Peterson at PINGP offering service proposal for NRC 95002 inspection assistance.
PROD00016732	1/14/2009 contract between Xcel and Crimson Engineered Solutions for Safety Culture Analysis System License at PINGP.
PROD00016733	1/20/2009 proposal from Dominion Engineering to Xcel to analyze effects of leakage of borated water on containment vessel at PINGP.
PROD00016734	3/6/2009 proposal from Iepson to Xcel regarding technical support for HELB event in turbine building at PINGP.
PROD00016735	5/19/2009 proposal from Dominion Engineering to Xcel to analyze effects of leakage of borated water on containment vessel at PINGP.
PROD00016736	CAP Action Request Process
PROD00016737	Work description for spray-on liner for refueling cavity at PINGP.
PROD00016738	1/7/2002 Bypass request and authorization for work on refuel cavity at PINGP.
PROD00016739	11/7/2005 PINGP Work Plan: Unit 1 Reactor Vessel: Perform Bare Metal Visual on Bottom of Reactor Vessel
PROD00016740	4/30/2005 PINGP Work Plan: Boric Acid Filter to RMW Line-Vent: Replace with SS Gate Valve
PROD00016741	PINGP work plan to replace grouting damaged by boric acid leak.
PROD00016742	PINGP work plan to replace grouting damaged by boric acid.
PROD00016743	5/21/2010 work plan regarding removal of demolished CC piping and supports from turbine building
PROD00016744	5/21/2010 work plan regarding cut and cap for demolition of 2 inch CC supply line in turbine building
PROD00016745	5/21/2010 work plan regarding demolishing and removing CC supply piping and supports from turbine building

Document Number	Description
PROD00016746	5/31/2010 work plan for removal of demolished CC return piping and supports from turbine building
PROD00016747	5/31/2010 work plan regarding cut and cap for demo of 2 inch CC return line 2-CC-61 inch turbine building
PROD00016748	Work order for U-1 refuel cavity at PINGP.
PROD00016749	9/12/2009 work plan named 11 refueling cavity pool liner regarding performing leakage repairs on refueling cavity liner
PROD00016750	9/12/2009 work plan regarding performing leakage repairs on refueling cavity liner
PROD00016751	8/3/2009 work plan regarding performing mock-up of refueling cavity leakage repair
PROD00016752	Work planning for repair of leakage at U-1 lower cavity of refuel chamber at PINGP.
PROD00016753	Work planning for repair of leakage at U-1 lower cavity of refuel chamber at PINGP.
PROD00016754	Work planning for repair of leakage at U-1 lower cavity of refuel chamber at PINGP.
PROD00016755	Work planning for repair of leakage at U-1 lower cavity of refuel chamber at PINGP.
PROD00016756	Work planning for repair of leakage at U-1 lower cavity of refuel chamber at PINGP.
PROD00016757	9/14/2009 work plan regarding repair welds on refueling cavity liner seams
PROD00016758	3/31/2010 work plan regarding performing leakage repairs on refueling cavity liner
PROD00016759	2/1/2010 work plan regarding performing mock-up of refueling cavity liner leak repair
PROD00016760	5/5/2010 work plan regarding performing additional vacuum box testing of refueling cavity pool liner
PROD00016761	12/22/2009 PINGP description of flooding in turbine building.
PROD00016762	4/10/2006 Work Plan regarding performing bare metal visual on bottom of reactor vessel with 9/2003 attachment of sampling and analysis guidance for deposits found on reactor pressure vessels at various locations
PROD00016763	Preventive Maintenance Procedures for Refuel Cavity Seal Installation at PINGP.
PROD00016764	Preventive Maintenance Procedures for Refuel Cavity Seal Installation at PINGP.
PROD00016765	Preventive Maintenance Procedures for Refuel Cavity Seal Installation at PINGP.
PROD00016766	7/16/2008 PM Work Plan regarding installation and removal of sandpiper pump outside Sump C
PROD00016767	10/10/2005 work plan for installation of sandpiper pump outside sump C
PROD00016768	1/30/2008 Work Plan for installation of sandpiper pump outside sump C
PROD00016769	7/16/2008 PM Work Plan for installation and removal of sandpiper pump outside sump C
PROD00016770	4/20/2010 work plan for installation of sandpiper pump outside sump C
PROD00016771	5/23/2008 Work Plan for removal reinstallation of concrete in Sump B, with attachments
PROD00016772	Unit 2 - 4.16KV System effective date 4/2/2009
PROD00016773	50.59 Screening for Station Battery & DC Distribution System, Unit 2 - 4.16KV System, Cooling Water
PROD00016774	Station Battery & DC Distribution System Procedure rev 28 effective date 2/18/2009
PROD00016775	Cooling Water Procedure rev 66 effective date 10/9/2009
PROD00016776	11/6/2009 email from M Mellema to C Lethgo cc B Slack and others re OPR HELB/LOOP/single failure - DC control circuits
PROD00016777	Operability Recommendation for CAP 01206060
PROD00016778	Operability Recommendation for CAP 01206060

Document Number	Description
PROD00016779	Operability Recommendation for CAP 01206060
PROD00016780	Operability Recommendation for CAP 01206060
PROD00016781	Operability Recommendation for CAP 01206060
PROD00016782	Operability Recommendation for CAP 01206060
PROD00016783	Temporary Change Request for Unit 2 - 4.16KV System
PROD00016784	Temporary Change Request for Station Battery & DC Distribution System
PROD00016785	Temporary Change Request for Cooling Water
PROD00016786	Operability Recommendation for CAP 01206060
PROD00016787	Operability Recommendation for CAP 01206060
PROD00016788	50.59 Screening for Station Battery & DC Distribution System, Unit 2 - 4.16KV System, Cooling Water
PROD00016789	Sequence of events (Assuming no trip of NS CL pumps prior to the LOOP) document
PROD00016790	10/22/2009 list of data and graphs for different compartments
PROD00016791	10/22/2009 list of data and graphs for different compartments
PROD00016792	10/20/2009 list of data
PROD00016793	10/20/2009 list of data
PROD00016794	10/20/2009 list of data
PROD00016795	10/18/2009 list of data
PROD00016796	10/18/2009 list of data
PROD00016797	10/22/2009 list of data and graphs for different compartments
PROD00016798	10/18/2009 list of data
PROD00016799	10/20/2009 Inputs to Turbine Building GOTHIC Model for HELB Analysis Attachment A: GOTHIC Model Input Tables (Physical Model)
PROD00016800	160.9 in2 Break in Compartment 2D4 graph and attached 10/28/2009 list of data
PROD00016801	160.9 in2 Break in Compartment 2D4 graph and attached list of data
PROD00016802	CAP 01213357 for pipe whip interaction with AFW room door: Potential HELB pipe whip impact on doors 42 & 43
PROD00016803	Graph of pipe and handwritten notes
PROD00016804	Index of HELB Program book documents, List of HELB Calculations and List of HELB Modifications
PROD00016805	Interaction between HELB and CL with Diagram
PROD00016806	6/26/09 External Design Document Suitability Review Checklist re Prairie Island HELB Analysis
PROD00016807	Report on interactions between high energy piping and cooling water (CL) that also affect component cooling (CC)
PROD00016808	Report on interactions between high energy piping and cooling water (CL) that also affect component cooling (CC)
PROD00016809	Turbine Building HELB/Flooding Interactions Calculation ENG-ME-732 Attachment 1
PROD00016810	Turbine Building HELB/Flooding Interactions Calculation ENG-ME-732 Attachment 1

Document Number	Description
PROD00016811	Interaction between HELB and CL with graph
PROD00016812	handwritten Gothic Model
PROD00016813	Interaction between HELB and CL with graph
PROD00016814	Interaction between HELB and CL with graph
PROD00016815	Interaction between HELB and CL with graph and handwritten notes
PROD00016816	16-FW-3 and 20-FW-3/4-CL-68 interaction diagrams
PROD00016817	20-CD-7/6-CL-67 interaction diagram and notes
PROD00016818	20-CD-7/6-CL-67 interaction diagram and notes
PROD00016819	Piping Cooling Water blueprint/diagram
PROD00016820	Feedwater Unit 1 blueprint/diagram
PROD00016821	5/15/2009 Design Information Transmittal for high energy pipe whip evaluation for CC/HELB SDP
PROD00016822	HELB Flooding Walkdown Notes
PROD00016823	HELB Flooding Walkdown Notes
PROD00016824	Report on interactions between high energy piping and cooling water (CL) that also affect component cooling (CC)
PROD00016825	Design Review Comment Form for OPR 01178236
PROD00016826	non-descript list of letters, numbers and symbols
PROD00016827	Operability Recommendation for CAP 01178236 re HELB flooding in Turbine Building
PROD00016828	Operability Recommendation for CAP 01178236 re HELB flooding in Turbine Building
PROD00016829	Operability Recommendation for CAP 01178236 re: HELB Flooding in Turbine Building
PROD00016830	Operability Recommendation for CAP 01178236 re HELB flooding in Turbine Building
PROD00016831	Spreadsheet of data: flow rates and flood rate
PROD00016832	Spreadsheet of data: flow rates and flood rate
PROD00016833	Operability Recommendation for CAP 01178236
PROD00016834	Operability Recommendation for CAP 01178236
PROD00016835	Operability Recommendation for CAP 01178236
PROD00016836	Spreadsheet of data: flow rates and flood rates and graph
PROD00016837	Spreadsheet of data: flow rates and flood rates
PROD00016838	Spreadsheet of data: flow rates and flood rates
PROD00016839	Spreadsheet of data: flow rates and flood rates
PROD00016840	Spreadsheet of data: flow rates and flood rates
PROD00016841	Operability Recommendation for CAP 01178236 and attachments
PROD00016842	Operability Recommendation for CAP 01178236
PROD00016843	Operability Recommendation for CAP 01178236 and attachments
PROD00016844	Spreadsheet of data: flow rates and flood rate
PROD00016845	Spreadsheet of data: flow rate and flood rates

Document Number	Description
PROD00016846	computer screen image spreadsheet of data: flow rate and flood rates
PROD00016847	computer screen image spreadsheet of data: flow rate and flood rates
PROD00016848	Attachment 1 to OPR 1178236, Revision 1 Time-Critical Operator Actions Following a Turbine Building HELB (EC 14193)
PROD00016849	Attachment 2 to OPR 1178236, Revision 1 EC 13962 Spreadsheet w/ New Flows and CD System Volume
PROD00016850	Attachment 3 to OPR 1178236, Revision 1 D1/D2 - CL Stop First
PROD00016851	Attachment 3 to OPR 1178236, Revision 1 D1/D2 - CL Stop First
PROD00016852	Attachment 4 to OPR 1178236, Revision 1 D1/D2 - FP Stop First
PROD00016853	Attachment 5 to OPR 1178236, R1 Battery Room - U2 HELB
PROD00016854	Attachment 6 to OPR 1178236, R1 AFW - U2 HELB
PROD00016855	Spreadsheet of data: flow rates and flood rate
PROD00016856	Spreadsheet of data: flow rates and flood rate
PROD00016857	Spreadsheet of data: flow rates and flood rate
PROD00016858	handwritten calculations
PROD00016859	Spreadsheet of data: flow rates and flood rate
PROD00016860	Spreadsheet of data: flow rates and flood rate
PROD00016861	Spreadsheet of data: flow rates and flood rate
PROD00016862	Spreadsheet of flow rates and flood rate
PROD00016863	Spreadsheet of data: flow rates and flood rate
PROD00016864	Spreadsheet of data: flow rates and flood rate
PROD00016865	Spreadsheet of data: flow rates and flood rate
PROD00016866	Spreadsheet of data: flow rates and flood rate
PROD00016867	Spreadsheet of data: flow rates and flood rate
PROD00016868	Photo Related to CC/HELB White Finding
PROD00016869	Photo Related to CC/HELB White Finding
PROD00016870	Photo Related to CC/HELB White Finding
PROD00016871	Photo Related to CC/HELB White Finding
PROD00016872	Photo Related to CC/HELB White Finding
PROD00016873	Photo Related to CC/HELB White Finding
PROD00016874	Photo Related to CC/HELB White Finding
PROD00016875	Photo Related to CC/HELB White Finding
PROD00016876	Photo Related to CC/HELB White Finding
PROD00016877	Photo Related to CC/HELB White Finding
PROD00016878	Photo Related to CC/HELB White Finding
PROD00016879	Photo Related to CC/HELB White Finding
PROD00016880	Photo Related to CC/HELB White Finding

Document Number	Description
PROD00016881	Photo Related to CC/HELB White Finding
PROD00016882	Photo Related to CC/HELB White Finding
PROD00016883	Photo Related to CC/HELB White Finding
PROD00016884	Photo Related to CC/HELB White Finding
PROD00016885	Photo Related to CC/HELB White Finding
PROD00016886	Photo Related to CC/HELB White Finding
PROD00016887	Photo Related to CC/HELB White Finding
PROD00016888	Photo Related to CC/HELB White Finding
PROD00016889	Photo Related to CC/HELB White Finding
PROD00016890	Photo Related to CC/HELB White Finding
PROD00016891	Photo Related to CC/HELB White Finding
PROD00016892	Photo Related to CC/HELB White Finding
PROD00016893	Photo Related to CC/HELB White Finding
PROD00016894	Photo Related to CC/HELB White Finding
PROD00016895	Photo Related to CC/HELB White Finding
PROD00016896	Photo Related to CC/HELB White Finding
PROD00016897	Photo Related to CC/HELB White Finding
PROD00016898	Photo Related to CC/HELB White Finding
PROD00016899	Photo Related to CC/HELB White Finding
PROD00016900	Photo Related to CC/HELB White Finding
PROD00016901	Photo Related to CC/HELB White Finding
PROD00016902	6/26/2009 External Design Document Suitability Review Checklist Prairie Island HELB Analysis
PROD00016903	blueprint/diagram
PROD00016904	blueprint/diagram
PROD00016905	16-FW-3 and 20-FW-3/4-CL-68 interaction diagrams
PROD00016906	Turbine Building HELB/Flooding Interactions Calculation ENG-ME-732 Attachment 1
PROD00016907	Evaluation to provide input into HELB Safety Determination Process and graph
PROD00016908	6/26/2009 External Design Document Suitability Review Checklist Prairie Island HELB Analysis
PROD00016909	6/26/2009 Letter from E Bird (MPR Associates Inc) to B Slack re Prairie Island HELB Analysis and enclosures
PROD00016910	Spreadsheet of data: flow rates and flood rate
PROD00016911	Spreadsheet of data: flow rates and flood rate
PROD00016912	GOTHIC data
PROD00016913	Report on interactions between high energy piping and cooling water (CL) that also affect component cooling (CC)
PROD00016914	50.59 Screening for EC14665 Modify Turbine Bldg Roll-Up Doors
PROD00016915	50.59 Screening for EC14665 Modify Turbine Bldg Roll-Up Doors

Document Number	Description
PROD00016916	50.59 Screening for Appendix I - High Energy Line Breaks - Break Location Selection
PROD00016917	50.59 Screening for Appendix I - High Energy Line Breaks - Break Location Selection
PROD00016918	50.59 Screening for Appendix I - High Energy Line Breaks - Break Location Selection
PROD00016919	50.59 Screening for Appendix I - High Energy Line Breaks - Break Location Selection
PROD00016920	50.59 Screening for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00016921	50.59 Screening for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00016922	50.59 Screening for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00016923	50.59 Screening for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00016924	50.59 Screening for Determination of HELB/FLooding Interactions in the Turbine Building
PROD00016925	50.59 Screening for Determination of HELB/FLooding Interactions in the Turbine Building
PROD00016926	50.59 Screening for Evaluation of TB HELB Target Flow Rates in TB - Internal FLooding Evaluation for TB
PROD00016927	50.59 Screening for GOTHIC Results for Turbine Building After Main Steam HELB Scenarios that Cause Flooding
PROD00016928	50.59 Screening for GOTHIC Results for Turbine Building After Main Steam HELB Scenarios that Cause Flooding
PROD00016929	50.59 Screening for Appendix I - High Energy Line Breaks - Piping System Selection
PROD00016930	50.59 Screening for Appendix I - High Energy Line Breaks - Piping System Selection
PROD00016931	2/11/2009 Prairie Island Turbine Building 695' Elevation HELB Temperature Sensitivity Study prepared by Advent Engineering Services
PROD00016932	Attachment 3 Summary table of high energy lines with additional information
PROD00016933	Component Cooling (CC) piping adjacent to high energy line break (HELB) location in the turbine building (Prairie Island) Report
PROD00016934	Completion notes for A/R 00737382-15
PROD00016935	Completion notes for A/R 00737382-15
PROD00016936	Completion notes for A/R 01072605-01
PROD00016937	Assignment notes for A/R 01072605
PROD00016938	9/30/2008 memo from B Slack to M Schimmel re Due Date Extension Request for A/R 01072605-02 (unsigned)
PROD00016939	9/30/2008 memo from B Slack to M Schimmel re Due Date Extension Request for A/R 01072605-02 (signed)
PROD00016940	2/25/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01072605-02 (unsigned)
PROD00016941	2/25/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01072605-02 (signed)
PROD00016942	6/17/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01072605-02 (unsigned)
PROD00016943	6/17/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01072605-02 (signed)

Document Number	Description
PROD00016944	Plant Flooding Procedure Rev 2
PROD00016945	6/25/2009 memo from B Slack to M Wadley re Corrective Action Due Date Extension Request for A/R 01088591-07 (unsigned)
PROD00016946	6/25/2009 memo from B Slack to M Wadley re Corrective Action Due Date Extension Request for A/R 01088591-07 (signed)
PROD00016947	11/18/2008 email from S Myers to B Slack cc S Ford re Corrective Action Due Date Extension Request for CAP 01091624-03 and approval
PROD00016948	2/25/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01091624-03 (unsigned)
PROD00016949	2/25/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01091624-03 (signed)
PROD00016950	6/17/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01091624-03 (unsigned)
PROD00016951	6/17/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01091624-03 (signed)
PROD00016952	Component Cooling (CC) piping adjacent to high energy line break (HELB) location in the turbine building (Prairie Island) Report
PROD00016953	3/4/2010 memo from B Slack to T Roddey re Corrective Action Due Date Extension Request for A/R 01155452-03 (unsigned)
PROD00016954	3/4/2010 memo from B Slack to T Roddey re Corrective Action Due Date Extension Request for A/R 01155452-03 (signed)
PROD00016955	3/5/2009 memo from B Slack to S Myers re Corrective Action Due Date Extension Request for A/R 01155452-01 (unsigned)
PROD00016956	3/5/2009 memo from B Slack to S Myers re Corrective Action Due Date Extension Request for A/R 01155452-01 (signed)
PROD00016957	Main Auxiliary Steam & Steam Dump Flow Diagram - Unit 1 blueprint/diagram
PROD00016958	Main Auxiliary Steam & Steam Dump Flow Diagram - Unit 2 blueprint/diagram
PROD00016959	Flow Diagram Feedwater System - Unit 2 blueprint/diagram
PROD00016960	Flow Diagram - Unit 1 Bleed Steam & Heater Vents blueprint/diagram
PROD00016961	Bleed Steam & heater Vents Flow Diagram - Unit 2 blueprint/diagram
PROD00016962	2/11/2010 memo from B Slack to T Roddey re Corrective Action Due Date Extension Request for A/R 01191604-01 (unsigned)
PROD00016963	2/11/2010 memo from B Slack to T Roddey re Corrective Action Due Date Extension Request for A/R 01191604-01 (signed)
PROD00016964	5/7/2010 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01191604-01 (unsigned)

Document Number	Description
PROD00016965	5/7/2010 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01191604-01 (signed)
PROD00016966	11/6/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01202820-07 (signed)
PROD00016967	11/6/2009 memo from B Slack to D Kettering re Corrective Action Due Date Extension Request for A/R 01202820-07 (unsigned)
PROD00016968	11/6/2009 memo from B. Slack to D Ketterling re Corrective Action Due Date Extension Request for CAP Corrective Action Due Date Extension Request (unsigned)
PROD00016969	Report re: consequential failures due to the HELB
PROD00016970	CE 01206060-04 Report
PROD00016971	HELB/consequential failure report
PROD00016972	CE 01206060-04 Report
PROD00016973	Report re pipe whip analysis with HELB occurrence
PROD00016974	HELB/consequential damages Report
PROD00016975	HELB/whip diagram
PROD00016976	Report re review of piping systems in the Design Class 1 area of the Turbine Building for the effects of flooding due to HELB and non-HELB events.
PROD00016977	Insert 1 and Insert 2 I.4.5 Flooding Protection
PROD00016978	PRAIRIE ISLAND UPDATED SAFETY ANALYSIS REPORT APPENDIX I POSTULATED PIPE FAILURE ANALYSIS OUTSIDE OF CONTAINMENT
PROD00016979	Nonconservative input to TB Flood calc (ENG-ME-758)
PROD00016980	5/12/2010 PINGP Turbine Building Flooding Analysis Model (U1)
PROD00016981	5/12/2010 PINGP Turbine Building Flooding Analysis Model (U1)
PROD00016982	5/12/2010 PINGP Turbine Building Flooding Analysis Model (U2)
PROD00016983	5/12/2010 PINGP Turbine Building Flooding Analysis Model (U2)
PROD00016984	4/14/2010 Monticello CAP 01194357 re Tech Spec 3.0.3 entry due to Inoperable HELB/Flood barrier
PROD00016985	Engineered Safeguards Equipment Support Systems Procedure Rev 20 effective date 3/9/2007
PROD00016986	Calculation Package from Automated Engineering Services Corp for Evaluation of Jet Impingement Loads on Component Cooling Piping and attachments
PROD00016987	blueprints/diagrams Unit 1 Component Cooling Water
PROD00016988	blueprints/diagrams Unit 1 Component Cooling Water
PROD00016989	Calculation Package from Automated Engineering Services Corp for Evaluation of Jet Impingement Loads on Component Cooling Piping and attachments
PROD00016990	Calculation Package from Automated Engineering Services Corp for Evaluation of Jet Impingement Loads on Component Cooling Piping and attachments
PROD00016991	blueprint/diagram Unit 1 Component Cooling Water

Document Number	Description
PROD00016992	blueprint/diagram Unit 1 Component Cooling
PROD00016993	blueprint/diagram Unit 1 Component Cooling
PROD00016994	blueprint/diagram Unit 1 Component Cooling Water
PROD00016995	blueprint/diagram Unit 1 Component Cooling
PROD00016996	blueprint/diagram Unit 1 Component Cooling Water
PROD00016997	blueprint/diagram Unit 1 Component Cooling Water
PROD00016998	blueprint/diagram Unit 1 Component Cooling Water
PROD00016999	blueprint/diagram Unit 1 Component Cooling Water
PROD00017000	blueprint/diagram Unit 1 Component Cooling Water
PROD00017001	blueprint/diagram Unit 1 Component Cooling Water
PROD00017002	blueprint/diagram Unit 1 Component Cooling Water
PROD00017003	blueprint/diagram Unit 2 Component Cooling
PROD00017004	blueprint/diagram Unit 2 Component Cooling
PROD00017005	blueprint/diagram Unit 2 Component Cooling
PROD00017006	blueprint/diagram Unit 1 Component Cooling Water
PROD00017007	blueprint/diagram Unit 1 & 2 Component Cooling Water
PROD00017008	blueprint/diagram Unit 1 & 2 Component Cooling Water
PROD00017009	blueprint/diagram Unit 1 Component Cooling
PROD00017010	blueprint/diagram Unit 1 Component Cooling
PROD00017011	blueprint/diagram Unit 1 Component Cooling
PROD00017012	blueprint/diagram Unit 1 Component Cooling Water
PROD00017013	blueprint/diagram Unit 1 Component Cooling Water
PROD00017014	blueprint/diagram Unit 1 Component Cooling Water
PROD00017015	blueprint/diagram Unit 1 Component Cooling Water
PROD00017016	blueprint/diagram Unit 1 Component Cooling Water
PROD00017017	blueprint/diagram Unit 2 Component Cooling
PROD00017018	blueprint/diagram Unit 2 Component Cooling
PROD00017019	various 1975 Fluor Pioneer Inc documents including Pump Suction Line Unit 1, Pump Nozzle Loads, Pipe-Stress Input Data, Pipe-Stress Thermal Expansion Analysis, Unit 1 Feedwater Discharge and others
PROD00017020	1974 Feedwater Suction documents including Piping Loads on various pieces of Equipment
PROD00017021	Book PI-224-8.1 Part F Fluor Pioneer Inc and Pioneer Service & Engineering Co. documents
PROD00017022	various 1975 Fluor Pioneer Inc documents including Pump Suction Line Unit 1, Pump Nozzle Loads, Pipe-Stress Input Data and Pipe-Stress Thermal Expansion Analysis
PROD00017023	9/12/1975 Unit 1 PI Feedwater Discharge, Piping Loads on Equipment and other documents
PROD00017024	PI Unit 1 FW Discharge Dead Weight Natural Weight Balance Analysis, Pipe-Stress Input Data, Pipe-Stress Deadweight Analysis and Pipe-Stress Thermal Expansion Analysis

Document Number	Description
PROD00017025	Pipe-Stress Deadweight Analysis, Weight Balance Analysis, Pipe-Stress Input Data and Pipe-Stress Thermal Expansion Analysis
PROD00017026	Write-up of information contained within AES turbine building HELB calculations that is relevant to the CC / HELB SDP
PROD00017027	2/24/2009 Design Information Transmittal for CC Piping location relative to HELB locations for evaluation of jet impingement
PROD00017028	2/25/2009 Design Information Transmittal for Peak HELB pressure for evaluation of the cold chemistry lab
PROD00017029	2/25/2009 Design Information Transmittal for Peak HELB pressure for evaluation of the cold chemistry lab
PROD00017030	3/10/2009 Design Information Transmittal for CC Piping location relative to HELB locations for evaluation of jet impingement
PROD00017031	3/09/2009 Design Information Transmittal for CC Piping location relative to HELB locations for evaluation of jet impingement
PROD00017032	3/9/2009 Design Information Transmittal for CC Piping location relative to HELB locations for evaluation of jet impingement
PROD00017033	3/10/2009 Design Information Transmittal for CC Piping location relative to HELB locations for evaluation of jet impingement
PROD00017034	12/29/2008 letter from A Setlur at Automated Engineering Services Corp to S Ford re Proposal to Perform an Evaluation of the Vulnerability of the CC Piping in the TB to HELB Events - Phase 1
PROD00017035	1/12/2009 letter from A Setlur at Automated Engineering Services Corp to S Ford re Seismic Level Evaluation of FW, CD and CC in the TB
PROD00017036	1/18/2009 letter from A Setlur at Automated Engineering Services Corp to B Slack re Proposal to Qualify Cold Chem Lab Masonry Block Walls and Roof for HELB and Seismic Loads
PROD00017037	2/12/2009 letter from A Setlur at Automated Engineering Services Corp to B Slack re Proposal to Perform Safety Related Evaluation of the Effects of Jet Impingement on CC Piping in the Turbine Building (TB) at PINGP
PROD00017038	3/4/2009 letter from A Setlur at Automated Engineering Services Corp to B Slack re Request for Scope Change Funding for Evaluation of FW, CD and CC in the TB - PO 996-59
PROD00017039	Write-up of information contained within AES turbine building HELB calculations that is relevant to the CC / HELB SDP
PROD00017040	2/25/2009 Design Information Transmittal re Design Information Transmittal
PROD00017041	3/9/2009 Design Information Transmittal re Evaluation of jet impingement on CC piping
PROD00017042	3/9/2009 Design Information Transmittal re Evaluation of jet impingement on CC piping
PROD00017043	2/20/2009 Request for Phased Approval re CC HELB interaction structural analysis
PROD00017044	2/3/2009 Request for Phased Approval re CC HELB interaction structural analysis
PROD00017045	blank Contract Change Request form
PROD00017046	blank Contract Change Request form
PROD00017047	3/16/2009 Design Review Comment Form for EC 13929

Document Number	Description
PROD00017048	3/13/2009 External Design Document Suitability Review Checklist for Evaluation of the effects of Jet Impingement on CC piping in the turbine bldg
PROD00017049	3/13/2009 Design Review Comment Form for AES Calculation PI-996-61-M01/ Evaluation of the effects of jet impingement on CC piping in the turbine bldg
PROD00017050	Sole Source Justification for Requisition Number: 00062003
PROD00017051	blank Scope of Service form
PROD00017052	1/14/2009 Scope of Services for Project 11186132 re Seismic evaluation for portions of piping in the turbine building
PROD00017053	2/20/2009 Scope of Services for Project 11186132 re AES will perform a safety related evaluation of the effects of jet impingement on the CC piping in the turbine building
PROD00017054	2/3/2009 Request for Phased Approval re CC HELB interaction structural analysis
PROD00017055	Documentation of all interactions between high energy piping and cooling water (CL) that also affect component cooling (CC)
PROD00017056	Automated Engineering Services Corp Calculation package for Evaluation of Component Cooling Piping in the Turbine Building and attachments
PROD00017057	Automated Engineering Services Corp Calculation package for Evaluation of the Effects of Jet Impingement on Component Cooling Piping in the Turbine Building and attachments
PROD00017058	Automated Engineering Services Corp Calculation package for Jet Impingement Loads on Component Cooling Piping in the Turbine Building for PRA HELB Scenarios
PROD00017059	2/20/2009 Request for Phased Approval (RPA) for CC HELB interaction structural analysis
PROD00017060	2/3/2009 Request for Phased Approval (RPA) for CC HELB interaction structural analysis
PROD00017061	6/17/2009 email from B Slack to D Henry cc C Kandalepas and D Setlur re Pipes 20-CD-7, 12-CD-7: Jet Impingement analysis on CC Piping
PROD00017062	general computation sheet for TB CC Piping Isometric Drawings
PROD00017063	Testing and Computer Code Evaluation of the AP1000 standard design and attachments
PROD00017064	1971 Piping Loads on various pieces of Equipment attached Parts A , B, D, E, F (data and Thermal Expansion Analyses) and 6/24/1971 Anchor Design Sheet from Pioneer Service & Engineering Co.
PROD00017065	7/12/1971 Thermal Analysis Condensate Piping Class III Piping title page
PROD00017066	2/20/2009 Contract Change Request Scope of Work Change Statement for Project 11186132
PROD00017067	3/11/2009 Contract Change Request Scope of Work Change Statement for Project 11186132
PROD00017068	3/16/2009 Design Review Comment Form for EC 13929
PROD00017069	3/16/2009 Design Review Comment Form for EC 13929
PROD00017070	4/15/2009 Engineering Change for Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building
PROD00017071	3/13/2009 External Design Document Suitability Review Checklist for Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building

Document Number	Description
PROD00017072	3/13/2009 Design Review Comment Form for AES Calculation PI-996-61-M01/Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building
PROD00017073	3/13/2009 External Design Document Suitability Review Checklist for Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building
PROD00017074	3/5/2009 Engineering Change for Evaluation of Turbine Bldg 695' Elevation Temperatures after a HELB and attachments
PROD00017075	5/14/2009 Engineering Change for Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building and attachments
PROD00017076	1/12/2009 email from B Slack to D Setlur cc C Agan re calculations and methodology for testing for HELB Impact on CC Piping in TB
PROD00017077	1/12/2009 email from B Slack to D Setlur re calculations for HELB analysis and design input
PROD00017078	1/16/2009 email from B Slack to D Setlur re Piping analysis and data
PROD00017079	various 1975 Fluor Pioneer Inc documents including Pump Suction Line Unit 1, Pump Nozzle Loads, Pipe-Stress Input Data, Pipe-Stress Thermal Expansion Analysis, Unit 1 Feedwater Discharge and others
PROD00017080	1974 Feedwater Suction documents including Piping Loads on various pieces of Equipment
PROD00017081	AT-0175 Action Request Record Report for SEN 257, Internal Flood Design Deficiencies and attachments
PROD00017082	Question 44 (Perform orifice flow calculations for susceptible CD and FW lines to verify the PRA break frequency assumptions in action 04 (leak rates greater than 2000 gpm)) and Response
PROD00017083	Book PI-224-8.1 Part F: various documents from Fluor Pioneer Inc and Pioneer Service & Engineering Co.
PROD00017084	1971 Piping Loads on various pieces of Equipment attached Parts A , B, D, E, F (data and Thermal Expansion Analyses) and 6/24/1971 Anchor Design Sheet from Pioneer Service & Engineering Co.
PROD00017085	3/13/2009 Design Review Comment Form for AES Calculation PI-996-61-M01/Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building
PROD00017086	3/13/2009 Design Review Comment Form for AES Calculation PI-996-61-M01/Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building
PROD00017087	1/16/2009 email from B Slack to D Setlur re Piping analysis and data
PROD00017088	6/2/2009 Letter from E Bird (MPR Associates Inc) to B Slack re Prairie Island HELB Analysis and enclosures
PROD00017089	7/9/2005 list of data
PROD00017090	7/9/2005 list of data
PROD00017091	7/9/2005 list of data
PROD00017092	7/9/2005 list of data
PROD00017093	7/9/2005 list of data
PROD00017094	7/9/2005 list of data
PROD00017095	8/11/2005 list of data
PROD00017096	8/11/2005 list of data
PROD00017097	8/11/2005 list of data

Document Number	Description
PROD00017098	8/11/2005 list of data
PROD00017099	8/11/2005 list of data
PROD00017100	8/11/2005 list of data
PROD00017101	Control Volume data
PROD00017102	Calculation Package from Automated Engineering Services Corp for Turbine Building HELB Pressure Analysis and attachments
PROD00017103	2/16/2009 email from D Setlur to B Slack cc S Ford and others re Project Cost Data for 996-59 - Analysis of CC / FW / CD Piping in TB and Cold Chem Lab Structure Qualification
PROD00017104	Sole Source Justification Requisition Number: 00062003
PROD00017105	2/4/2009 Scope of Services for Project 11186132
PROD00017106	2/20/2009 Scope of Services for Project 11186132
PROD00017107	2/3/2009 Request for Phased Approval (RPA) for CC HELB interaction structural analysis
PROD00017108	7/12/1971 Thermal Analysis - Condensate Piping Unit #2 Class II Piping Report including Pioneer Service & Engineering Co documents
PROD00017109	Twin Oil Coolers Report and attached diagrams
PROD00017110	Write-up of information contained within AES turbine building HELB calculations that is relevant to the CC / HELB SDP
PROD00017111	1/26/2010 email from M Etre to C Sprout cc J Scharr and others re Decoupling branch lines per WRC 300
PROD00017112	5/26/2006 email from M Meyer to R Hansen cc S Baird re acceptable size of panel for HELB barrier in the event Door 225 needs to be replaced
PROD00017113	8/31/2007 Engineering Change for Acceptability of Westinghouse M&E Releases
PROD00017114	8/4/2008 Engineering Change for Turbine Building HELB Walkdown
PROD00017115	10/30/2008 Engineering Change for Evaluation of new HELB Mass and Energy Inputs and Review of Advent Engineering Sensitivity Studies
PROD00017116	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses and Design Review Checklist for same
PROD00017117	Design Review Checklist for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017118	Design Review Checklist for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017119	11/6/2009 Design Review Comment Form for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017120	11/6/2009 Design Review Comment Form for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017121	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses Rev 0
PROD00017122	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017123	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses Rev 0
PROD00017124	Attachment 1 AES Calculation PI-P602232-700 Minor Rev. 0A Input to HELB Analysis of Rooms Containing Safeguards Equipment in Center Aisle of Turbine Building
PROD00017125	11/6/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses

Document Number	Description
PROD00017126	11/6/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017127	11/6/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017128	11/6/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017129	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses and Design Review Checklist for same
PROD00017130	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017131	8/18/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses and attachments
PROD00017132	6/18/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses and attachments
PROD00017133	6/18/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses and attachments
PROD00017134	Calculation Signature Sheet for Center Aisle Input for Turbine Building GOTHIC Analyses and attachments
PROD00017135	11/6/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017136	6/18/2009 PINGP Calculation for Center Aisle Input for Turbine Building GOTHIC Analyses and attachments
PROD00017137	New Document Request Form for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017138	New Document Request Form for Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00017139	1/13/2009 Walkdown Summary of TB Center Aisle
PROD00017140	1/13/2009 Walkdown Summary of TB Center Aisle
PROD00017141	11/25/2008 Engineering Change for Determination of Number of High Energy Pipe Sections Affecting Turbine Bldg CC Piping Using EPRI Methodology and attached PINGP Calculation for same
PROD00017142	Design Review Checklist for EC 13474
PROD00017143	11/20/2008 PINGP Calculation for Turbine Compartment HELB Compartment Volumes
PROD00017144	11/20/2008 PINGP Calculation for Turbine Compartment HELB Compartment Volumes
PROD00017145	Calculation Signature Sheet for Turbine Compartment HELB Compartment Volumes
PROD00017146	Calculation Signature Sheet for Turbine Compartment HELB Compartment Volumes
PROD00017147	General Computation Sheet for Turbine Compartment HELB Compartment Volumes
PROD00017148	Design Review Checklist for Turbine Building HELB Surfaces Areas & Flow Paths/ Rev 0A and attachments
PROD00017149	Calculation Signature Sheet for Turbine Building HELB Surfaces Areas & Flow Paths
PROD00017150	9/14/2009 PINGP Calculation for Turbine Building HELB Surfaces Areas & Flow Paths
PROD00017151	9/14/2009 PINGP Calculation for Turbine Building HELB Surfaces Areas & Flow Paths
PROD00017152	Calculation Signature Sheet for Turbine Building HELB Surfaces Areas & Flow Paths and attachments
PROD00017153	Calculation Signature Sheet for Turbine Building HELB Surfaces Areas & Flow Paths and attachments
PROD00017154	3/20/2009 Engineering Change for Evaluation of Turbine Bldg 695' Elevation Temperatures and Humidity after a HELB. (This Eval Supersedes EC 13762)
PROD00017155	6/29/2009 Engineering Change for Owner's Acceptance Review of MPR Analysis of Safety Injection Pump Operation Without CC Flow to the Bearing Oil and Seal Water Coolers and attachments
PROD00017156	8/5/2009 EC-0441 EC Closeout Package Report and attachments
PROD00017157	10/30/2009 EC-0441 EC Closeout Package Report

Document Number	Description
PROD00017158	11/5/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017159	11/5/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017160	Calculation Signature Sheet for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017161	Calculation Signature Sheet for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017162	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017163	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017164	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017165	Calculation Signature Sheet for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attached Design Review Checklist re same
PROD00017166	New Document Request Form for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017167	spreadsheet of volume data by compartments
PROD00017168	spreadsheet of Control Volume Parameters
PROD00017169	spreadsheet of Control Volumes
PROD00017170	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017171	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017172	PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017173	6/18/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017174	Design Review Checklist for Inputs to Turbine Building GOTHIC Model for HELB Analysis / Rev 0
PROD00017175	Design Review Checklist for Inputs to Turbine Building GOTHIC Model for HELB Analysis / Rev 0
PROD00017176	11/6/2009 Design Review Comment Form for Inputs to Turbine Building GOTHIC Model for HELB Analysis / Rev 0
PROD00017177	Calculation Signature Sheet for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017178	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017179	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017180	Calculation Signature Sheet for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017181	Calculation Signature Sheet for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017182	11/6/2009 PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis and attachments
PROD00017183	PINGP Calculation for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017184	spreadsheet of Flow Paths
PROD00017185	TB Flow Diagram.xls
PROD00017186	4/16/2008 Walk Down of the Turbine Building Report
PROD00017187	spreadsheet of Thermal Conductors
PROD00017188	spreadsheet of Valves & Doors
PROD00017189	New Document Request Form for Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00017190	1/13/2009 Walkdown Summary of Turbine Building General Areas
PROD00017191	7/29/2009 PINGP Calculation re: determination of HELB / Flooding interactions in the turbine building

Document Number	Description
PROD00017192	Calculation Signature Sheet re Determination of HELB / Flooding interactions in the turbine building rev 0
PROD00017193	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building
PROD00017194	New Document Request Form re Determination of HELB / Flooding interactions in the turbine building
PROD00017195	Calculation ENG-ME-732 Attachment 1 Turbine Building HELB / Flooding Interactions
PROD00017196	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building
PROD00017197	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building and attachments
PROD00017198	7/29/2009 PINGP Calculation for Determination of HELB/Flooding Interactions in the Turbine Building
PROD00017199	7/29/2009 PINGP Calculation for Determination of HELB/Flooding Interactions in the Turbine Building
PROD00017200	Calculation ENG-ME-732 Attachment 1 Turbine Building HELB / Flooding Interactions
PROD00017201	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building
PROD00017202	Calculation ENG-ME-732 Attachment 1 Turbine Building HELB / Flooding Interactions
PROD00017203	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building rev 3
PROD00017204	7/29/2009 PINGP Calculation re: determination of HELB / Flooding interactions in the turbine building
PROD00017205	Calculation ENG-ME-732 Attachment 1 Turbine Building HELB / Flooding Interactions
PROD00017206	HELB Flooding Walkdown Notes
PROD00017207	HELB Flooding Walkdown Notes
PROD00017208	HELB Flooding Walkdown Notes
PROD00017209	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building and attachment
PROD00017210	Calculation Signature Sheet for Determination of HELB/Flooding Interactions in the Turbine Building
PROD00017211	Calculation ENG-ME-732 Attachment 1 Turbine Building HELB / Flooding Interactions
PROD00017212	General Comments on the Spreadsheet
PROD00017213	New Document Request Form for Determination of HELB / Flooding Interactions in the Turbine Building
PROD00017214	New Document Request Form for Determination of HELB / Flooding Interactions in the Turbine Building
PROD00017215	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 1
PROD00017216	Attachment 1 to Summary table of High Energy Line Piping Selection
PROD00017217	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 2
PROD00017218	Attachment 2: Additional evaluated pipe fittings
PROD00017219	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 3: Summary table of high energy line with additional information
PROD00017220	Attachment 3: Summary table of High Energy Lines with additional information
PROD00017221	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 4: PIDs of high energy line systems with piping highlighted
PROD00017222	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 5: AEC Letter to NSP dated December 12, 1972

Document Number	Description
PROD00017223	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 6
PROD00017224	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 7
PROD00017225	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 8
PROD00017226	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017227	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017228	Design Review Checklist for Appendix 1 - HELB - Piping System Selection
PROD00017229	4/8/2010 Design Review Comment Form for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017230	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection and attachments
PROD00017231	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017232	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 1
PROD00017233	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 2
PROD00017234	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 3
PROD00017235	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 4
PROD00017236	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 5
PROD00017237	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 6
PROD00017238	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 7
PROD00017239	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 8
PROD00017240	4/8/2010 Design Review Comment Form for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017241	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017242	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 1 Summary table of high energy line piping selection
PROD00017243	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 2 Additional evaluated pipe fittings
PROD00017244	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 3 Summary table of high energy lines with additional information
PROD00017245	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 4: PIDs of high energy line systems with piping highlighted
PROD00017246	spreadsheet of data for different pieces of equipment Query 1
PROD00017247	Attachment 1 Summary table of high energy line piping selection
PROD00017248	Attachment 3 Summary table of high energy lines with additional information
PROD00017249	Attachment 2 Additional evaluated pipe fittings
PROD00017250	1/18/1973 letter from E Claeson at Pioneer Service & Engineering Co to A Kuroyama at NSP forwarding Minutes of Meeting with AEC Staff, High Energy Line Rupture

Document Number	Description
PROD00017251	12/12/1972 letter from A Clambusso at Atomic Energy Commission to A Dienhart at NSP re HELB and design revisions
PROD00017252	1/10/1973 memo from Atomic Energy Commission re January 4, 1973 Meeting with Northern States Power Company Re Prairie Island
PROD00017253	1/11/1973 letter from A Glasbusso at Atomic Energy Commission to A Dienhart at NSP re clarification of guidelines and criteria provide with his December 12, 1972 letter
PROD00017254	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017255	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017256	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017257	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 1: Summary table of high energy line piping selection
PROD00017258	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 2: Additional evaluated pipe fittings
PROD00017259	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 3: Summary table of high energy lines with additional information
PROD00017260	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 4: AEC Letter to NSP dated December 12, 1972
PROD00017261	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 5: AEC Letter to NSP dated January 10, 1973
PROD00017262	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 6: AEC Letter to NSP dated January 11, 1973
PROD00017263	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 7: PS&E Letter to NSP dated January 18, 1973
PROD00017264	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection Attachment 8: PIDs of high energy line systems with piping highlighted
PROD00017265	Prairie Island Nuclear Generating Plant - ERCS-DMZ-PSSA (list of data from 1/1/2008 thru 12/31/2009)
PROD00017266	Prairie Island Nuclear Generating Plant - ERCS-DMZ-PSSA (list of data)
PROD00017267	Prairie Island Nuclear Generating Plant - ERCS-DMZ-PSSA (list of data from 1/1/2006 thru 12/31/2007)
PROD00017268	spreadsheet of data for different pieces of equipment Query 1
PROD00017269	Attachment 1 Summary table of high energy line piping selection
PROD00017270	spreadsheet of data for different pieces of equipment Query 1
PROD00017271	Attachment 3 Summary table of high energy lines with additional information
PROD00017272	spreadsheet of data for different pieces of equipment
PROD00017273	spreadsheet of data for different pieces of equipment
PROD00017274	Attachment 2 Additional evaluated pipe fittings
PROD00017275	spreadsheet of data for different pieces of equipment

Document Number	Description
PROD00017276	spreadsheet of data for different pieces of equipment
PROD00017277	blueprint/diagram Flow diagram Main Auxiliary Steam & Steam Pump Unit 1
PROD00017278	blueprint/diagram Flow diagram Main Auxiliary Steam & Steam Pump Unit 2
PROD00017279	blueprint/diagram Flow Diagram Condensate System Unit 1
PROD00017280	blueprint/diagram Flow Diagram Condensate System Unit 2
PROD00017281	blueprint/diagram Flow Diagram Feedwater & Auxiliary Feedwater Unit 1
PROD00017282	blueprint/diagram Flow Diagram Feedwater & Auxiliary Feedwater Unit 2
PROD00017283	blueprint/diagram Flow Diagram Unit 1 Bleed Steam & Heater Vents
PROD00017284	blueprint/diagram Bleed Steam & Heater Vents Flow Diagram
PROD00017285	blueprint/diagram Flow Diagram Feedwater Heater Moisture Separator & Reheater Drain System
PROD00017286	blueprint/diagram Flow Diagram Feedwater Heater Moisture Separator & Reheater Drain System - Unit 2
PROD00017287	blueprint/diagram Flow Diagram Liquid Waste Disposal [?] System Units 1 & 2
PROD00017288	blueprint/diagram Flow Diagram Steam Generator Blowdown System Units 1 & 2
PROD00017289	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017290	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017291	blueprint/diagram Flow Diagram Unit 1 Chemical & Volume Control System
PROD00017292	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017293	Attachment 1 Summary table of high energy line piping selection
PROD00017294	Attachment 1 Summary table of high energy line piping selection
PROD00017295	Attachment 2 Additional evaluated pipe fittings
PROD00017296	Attachment 2 Additional evaluated pipe fittings
PROD00017297	Attachment 3 Summary table of high energy lines with additional information
PROD00017298	Attachment 3 Summary table of high energy lines with additional information
PROD00017299	Attachment 4: PIDs of high energy line systems with piping highlighted
PROD00017300	Attachment 5: AEC Letter to NSP dated December 12, 1972
PROD00017301	Attachment 6: AEC Letter to NSP dated January 10, 1973
PROD00017302	Attachment 7: AEC Letter to NSP dated January 11, 1973
PROD00017303	Attachment 8: PS&E Letter to NSP dated January 18, 1973
PROD00017304	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017305	4/8/2010 PINGP Calculation Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017306	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017307	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017308	blueprint/diagram Flow diagram Main Auxiliary Steam & Steam Pump Unit 1
PROD00017309	blueprint/diagram Flow diagram Turbine Building Traps and Drains Unit 1
PROD00017310	blueprint/diagram Flow diagram Main Auxiliary Steam & Steam Pump Unit 2
PROD00017311	blueprint/diagram Flow diagram Turbine Building Traps and Drains Unit 2

Document Number	Description
PROD00017312	blueprint/diagram Flow Diagram Feedwater & Auxiliary Feedwater Unit 1
PROD00017313	blueprint/diagram Flow Diagram Feedwater & Auxiliary Feedwater Unit 2
PROD00017314	blueprint/diagram Flow Diagram Steam Generator Blowdown System Units 1 & 2
PROD00017315	blueprint/diagram Flow Diagram Liquid Waste Disposal [?] System Units 1 & 2
PROD00017316	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017317	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017318	blueprint/diagram [not legible]
PROD00017319	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017320	blueprint/diagram Flow Diagram Unit 1 Bleed Steam & Heater Vents
PROD00017321	blueprint/diagram Bleed Steam & Heater Vents
PROD00017322	blueprint/diagram Flow Diagram Condensate System Unit 1
PROD00017323	blueprint/diagram Flow Diagram Condensate System Unit 2
PROD00017324	blueprint/diagram Flow Diagram Feedwater Heater Moisture Separator & Reheater Drain System
PROD00017325	blueprint/diagram Flow Diagram Feedwater Heater Moisture Separator & Reheater Drain System Unit 2
PROD00017326	blueprint/diagram Flow Diagram Unit 1 Bleed Steam & Heater Vents
PROD00017327	blueprint/diagram Bleed Steam & Heater Vents Flow Diagram
PROD00017328	blueprint/diagram Flow Diagram Condensate System Unit 1
PROD00017329	blueprint/diagram Flow Diagram Condensate System Unit 2
PROD00017330	blueprint/diagram Flow Diagram Feedwater Heater Moisture Separator & Reheater Drain System
PROD00017331	blueprint/diagram Flow Diagram Feedwater Heater Moisture Separator & Reheater Drain System Unit 2
PROD00017332	blueprint/diagram Flow diagram Main Auxiliary Steam & Steam Pump Unit 1
PROD00017333	blueprint/diagram Flow diagram Turbine Building Traps and Drains Unit 1
PROD00017334	blueprint/diagram Flow diagram Main Auxiliary Steam & Steam Pump Unit 2
PROD00017335	blueprint/diagram Flow diagram Turbine Building Traps and Drains Unit 2
PROD00017336	blueprint/diagram Flow Diagram Feedwater & Auxiliary Feedwater Unit 1
PROD00017337	blueprint/diagram Flow Diagram Feedwater & Auxiliary Feedwater Unit 2
PROD00017338	blueprint/diagram Flow Diagram Steam Generator Blowdown System Units 1 & 2
PROD00017339	blueprint/diagram Flow Diagram Liquid Waste Disposal [?] System Units 1 & 2
PROD00017340	blueprint/diagram Flow Diagram Unit 1 Chemical & Volume Control System
PROD00017341	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017342	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017343	blueprint/diagram Flow Diagram Chemical & Volume Control System
PROD00017344	Attachment 3 Summary table of high energy lines with additional information
PROD00017345	4/8/2010 Design Review Comment Form for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017346	spreadsheet of data for different pieces of equipment
PROD00017347	Design Review Checklist for Appendix 1 - HELB - Piping System Selection

Document Number	Description
PROD00017348	4/8/2010 Design Review Comment Form for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017349	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection and attachments
PROD00017350	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection and attachments
PROD00017351	Design Review Checklist for Appendix 1 - HELB - Piping System Selection
PROD00017352	4/8/2010 Design Review Comment Form for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017353	Calculation Signature Sheet for Appendix 1 - High Energy Line Breaks - Piping System Selection
PROD00017354	Design Review Checklist for Turbine Compartment HELB Compartment Volumes Rev 0B
PROD00017355	Calculation Signature Sheet for Turbine Compartment HELB Compartment Volumes
PROD00017356	9/14/2009 PINGP Calculation for Turbine Compartment HELB Compartment Volumes Rev 0B
PROD00017357	9/14/2009 PINGP Calculation for Turbine Compartment HELB Compartment Volumes Rev 0B
PROD00017358	Calculation Signature Sheet for Turbine Compartment HELB Compartment Volumes
PROD00017359	Calculation Signature Sheet for Turbine Compartment HELB Compartment Volumes
PROD00017360	Calculation Signature Sheet for Analysis of U-2 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017361	Comments and responses
PROD00017362	Calculation Package for Analysis of U-2 TB CD Line from FW Heaters To FW Pumps Suction and attachments
PROD00017363	Calculation Signature Sheet for Analysis of Unit 1 Feedwater Discharge Piping to 15A/B HTRS
PROD00017364	Calculation Package for Analysis of Unit 1 Feedwater Discharge Piping to 15A/B HTRS and attachments
PROD00017365	Calculation Signature Sheet for Analysis of U-1 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017366	notice that particular HELB file has been Quarantined to parent directory because it is believed to contain personal information
PROD00017367	Calculation Signature Sheet for Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS
PROD00017368	Calculation Package for Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS and attachments
PROD00017369	Calculation Package for Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS
PROD00017370	Calculation Signature Sheet for Analysis of U-1 CD Line from FW Heater 12B To FW Heater 13B
PROD00017371	Calculation Package for Analysis of U-1 CD Line from FW Heater 12B To FW Heater 13B and attachments
PROD00017372	New Document Request Form for Pipe stress Analysis - From #21 FW Pump discharge to Condenser 2A
PROD00017373	New Document Request Form for Pipe stress Analysis - From #22 FW Pump discharge to Condenser 2A
PROD00017374	New Document Request Form for Pipe stress Analysis - From #22B to #23B FW Heater
PROD00017375	New Document Request Form for Pipe stress Analysis - From #22A to #23A FW Heater
PROD00017376	New Document Request Form for Pipe stress Analysis - From #23A/B FW Heater & HD Pumps to FW Pumps
PROD00017377	New Document Request Form for Pipe stress Analysis - From #11 FW Pump discharge to Condenser 1A
PROD00017378	New Document Request Form for Pipe stress Analysis - From #12 FW Pump discharge to Condenser 1A
PROD00017379	1/9/2010 External Design Document Suitability Review Checklist for Analysis of U-2 TB CD Line from FW Heaters To FW Pumps Suction

Document Number	Description
PROD00017380	Calculation Signature Sheet for Analysis of U-2 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017381	New Document Request Form for Analysis of U-2 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017382	12/2/2009 External Design Document Suitability Review Checklist for Analysis of Unit 1 Feedwater Discharge Piping to 15A/B HTRS
PROD00017383	Calculation Signature Sheet for Analysis of Unit 1 Feedwater Discharge Piping to 15A/B HTRS
PROD00017384	New Document Request Form Calculation Signature Sheet for Analysis of Unit 1 Feedwater Discharge Piping to 15A/B HTRS
PROD00017385	1/20/2010 External Design Document Suitability Review Checklist for Analysis of U-1 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017386	Calculation Signature Sheet for Analysis of U-1 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017387	New Document Request Form for Analysis of U-1 TB CD Line from FW Heaters To FW Pumps Suction
PROD00017388	12/4/2009 External Design Document Suitability Review Checklist for Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS
PROD00017389	Calculation Signature Sheet for Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS
PROD00017390	New Document Request Form for Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS
PROD00017391	12/2/2009 External Design Document Suitability Review Checklist for Analysis of U-1 CD Line from FW Heater 12B to FW Heater 13B
PROD00017392	Calculation Signature Sheet for Analysis of U-1 CD Line from FW Heater 12B to FW Heater 13B
PROD00017393	New Document Request Form for Analysis of U-1 CD Line from FW Heater 12B to FW Heater 13B
PROD00017394	Design Review Comment Form for Seismic and HELB Analyses of Unit 1 Feedwater Discharge Piping to 15 A/B heaters
PROD00017395	11/30/2009 Design Information Transmittal for FW & CD stress analysis reconstitution for Unit 1 and 2
PROD00017396	1/6/2010 Design Information Transmittal for FW & CD stress analysis reconstitution for Unit 2
PROD00017397	1/6/2010 Design Information Transmittal for FW & CD stress analysis reconstitution for Unit 2
PROD00017398	1/11/2010 Design Information Transmittal for FW & CD stress analysis reconstitution for Unit 1
PROD00017399	11/30/2009 Design Information Transmittal for FW & CD stress analysis reconstitution for Unit 1 and 2
PROD00017400	1/6/2010 Design Information Transmittal for FW & CD stress analysis reconstitution for Unit 2
PROD00017401	1/11/2010 Design Information Transmittal titled "FW & CD Stress Analysis Reconstitution"
PROD00017402	Drawing of Hanger at Node 3460
PROD00017403	Blueprint/Diagram of S.G.B. Modification Turbine Building Unit 2
PROD00017404	Blueprint/Diagram of S.G.B. Modification Turbine Building Unit 2
PROD00017405	Blueprint/Diagram of S.G.B. Modification Turbine Building Unit 2
PROD00017406	Blueprint/Diagram of S.G.B. Modification Turbine Building Unit 2
PROD00017407	Single Sliding Support Assembly Blueprint/Diagram
PROD00017408	Single Sliding Support Assembly Blueprint/Diagram
PROD00017409	Single Spring Hanger Assembly Blueprint/Diagram

Document Number	Description
PROD00017410	Single Rigid Hanger Assembly Blueprint/Diagram
PROD00017411	Single Spring Hanger Assembly Blueprint/Diagram
PROD00017412	Single Spring Hanger Assembly Blueprint/Diagram
PROD00017413	Single Rigid Hanger Assembly Blueprint/Diagram
PROD00017414	Double Spring Hanger Assembly Blueprint/Diagram
PROD00017415	Single Spring Hanger Assembly Blueprint/Diagram
PROD00017416	Single Spring Hanger Assembly Blueprint/Diagram
PROD00017417	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017418	Blueprint/Diagram of Double Rigid Hanger Assembly
PROD00017419	Unknown Blueprint/Diagram
PROD00017420	Blueprint/Diagram of Single Case Support Assembly
PROD00017421	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017422	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017423	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017424	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017425	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017426	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017427	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017428	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017429	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017430	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017431	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017432	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017433	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017434	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017435	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017436	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017437	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017438	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017439	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017440	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017441	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017442	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017443	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017444	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017445	Blueprint/Diagram of Pipe Support

Document Number	Description
PROD00017446	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017447	Blueprint/Diagram of Single Sliding Support
PROD00017448	Blueprint/Diagram of Single Sliding Support
PROD00017449	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017450	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017451	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017452	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017453	Blueprint/Diagram of Single Sliding Base Support
PROD00017454	Blueprint/Diagram of Single Sliding Base Support
PROD00017455	Blueprint/Diagram of Single Sliding Base Support
PROD00017456	Unable to read Blueprint/Diagram name
PROD00017457	List of materials necessary for Single Spring Support Assembly
PROD00017458	Unable to read title of blueprint/diagram
PROD00017459	List of materials necessary for Single Spring Support Assembly
PROD00017460	Unable to read title of blueprint/diagram
PROD00017461	List of materials necessary for Single Spring Support Assembly
PROD00017462	Blueprint/Diagram of Double Rigid Hanger Assembly
PROD00017463	Unable to decipher title of blueprint/diagram
PROD00017464	List of materials necessary for Double Spring Hanger Assembly
PROD00017465	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017466	Blueprint/Diagram of Double Spring Hanger Assembly
PROD00017467	Unable to decipher title of blueprint/diagram
PROD00017468	Unable to decipher title of blueprint/diagram
PROD00017469	Unable to decipher title of blueprint/diagram
PROD00017470	Blueprint/Diagram of Feedwater Recirculation from Pump #11
PROD00017471	Blueprint/Diagram titled Feedwater Recirculation from Pump #12
PROD00017472	Unable to Decipher Title of Blueprint/Diagram
PROD00017473	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017474	List of Materials Necessary for Single Spring Hanger Assembly
PROD00017475	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017476	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017477	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017478	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017479	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017480	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017481	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping

Document Number	Description
PROD00017482	Blueprint/Diagram of Feedwater Pump
PROD00017483	Blueprint/Diagram of Feedwater Piping
PROD00017484	Blueprint/Diagram of Feedwater Piping
PROD00017485	Blueprint/Diagram of Feedwater Piping
PROD00017486	Blueprint/Diagram of Feedwater Piping
PROD00017487	Blueprint/Diagram of Feedwater Piping
PROD00017488	Blueprint/Diagram of Feedwater Piping
PROD00017489	Blueprint/Diagram of Feedwater Piping
PROD00017490	Blueprint/Diagram of Feedwater Piping
PROD00017491	Blueprint/Diagram of Feedwater Piping
PROD00017492	Blueprint/Diagram of Feedwater Piping
PROD00017493	List of Materials Necessary for Double Spring Hanger Assembly
PROD00017494	Blueprint/Diagram of Feedwater Piping
PROD00017495	List of Materials Necessary for Single Spring Hanger Assembly
PROD00017496	Blueprint/Diagram of Feedwater Piping
PROD00017497	List of Materials Necessary for Hanger Assembly
PROD00017498	Blueprint/Diagram of Feedwater Piping
PROD00017499	Blueprint/Diagram of Feedwater Piping
PROD00017500	Blueprint/Diagram of Feedwater Piping
PROD00017501	Blueprint/Diagram of Feedwater Piping
PROD00017502	List of Materials Necessary for Single Spring Hanger Assembly
PROD00017503	Blueprint/Diagram of Feedwater Piping
PROD00017504	List of Materials Necessary for Single Spring Hanger Assembly
PROD00017505	Blueprint/Diagram of Feedwater Piping
PROD00017506	Blueprint/Diagram of Feedwater Piping
PROD00017507	Blueprint/Diagram of Feedwater Piping
PROD00017508	Blueprint/Diagram of Feedwater Piping
PROD00017509	Blueprint/Diagram of Feedwater Piping
PROD00017510	Blueprint/Diagram of Feedwater Piping
PROD00017511	Blueprint/Diagram of Feedwater Piping
PROD00017512	Blueprint/Diagram of Feedwater Piping
PROD00017513	Blueprint/Diagram of Feedwater Piping
PROD00017514	Blueprint/Diagram of Feedwater Piping
PROD00017515	Blueprint/Diagram of Feedwater Piping
PROD00017516	Blueprint/Diagram of Feedwater Recirculation
PROD00017517	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping

Document Number	Description
PROD00017518	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017519	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017520	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017521	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017522	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017523	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017524	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017525	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017526	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017527	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017528	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017529	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017530	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017531	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017532	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017533	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017534	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017535	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017536	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017537	Blueprint/Diagram of Feedwater Pump Recirculation and Warm-Up Piping
PROD00017538	Blueprint/Diagram of SGB Modification Turbine Building Unit 1 Pipe Support Details
PROD00017539	Blueprint/Diagram of SGB Modification Turbine Building Unit 1 Pipe Support Details
PROD00017540	Blueprint/Diagram of Condensation Piping - Turbine Building
PROD00017541	Blueprint/Diagram of Condensate Piping - Turb. Bldg
PROD00017542	Blueprint/Diagram of Condensate Piping
PROD00017543	Blueprint/Diagram of Single Sliding Support Assembly
PROD00017544	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017545	List of Materials Necessary for Single Spring Hanger Assembly
PROD00017546	Unable to decipher title of Blueprint/Diagram
PROD00017547	List of Materials Necessary for Single Spring Hanger Assembly
PROD00017548	List of Materials Necessary for Double Spring Hanger Assembly
PROD00017549	Blueprint/Diagram of Double Spring Hanger Assembly
PROD00017550	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017551	Unable to decipher title of Blueprint/Diagram
PROD00017552	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017553	Blueprint/Diagram of Single Rigid Support Assembly

Document Number	Description
PROD00017554	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017555	Blueprint/Diagram of Single Rigid Support Assembly
PROD00017556	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017557	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017558	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017559	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017560	Blueprint/Diagram of Single Rigid Hanger Assembly
PROD00017561	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017562	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017563	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017564	Blueprint/Diagram of Single Spring Hanger Assembly
PROD00017565	Blueprint/Drawing of Figure 98 Spring Hanger Size No. 14 Type B
PROD00017566	Blueprint/Drawing of Single Spring Hanger Assembly
PROD00017567	Blueprint/Drawing of Single Spring Hanger Assembly
PROD00017568	Blueprint/Drawing of Single Spring Hanger Assembly
PROD00017569	Blueprint/Drawing of Single Spring Hanger Assembly
PROD00017570	12/9/1974 Chart Single Spring Support Assembly
PROD00017571	12/9/1974 Chart Single Spring Support Assembly
PROD00017572	12/9/1974 Chart Single Spring Support Assembly
PROD00017573	12/9/1974 Diagram Single Spring Support Assembly
PROD00017574	12/9/1974 Chart Single Spring Support Assembly
PROD00017575	12/9/1974 Chart Single Spring Support Assembly
PROD00017576	12/9/1974 Diagram Single Spring Support Assembly
PROD00017577	12/9/1974 Diagram Single Spring Support Assembly
PROD00017578	12/9/1974 Diagram Single Spring Support Assembly
PROD00017579	12/9/1974 Diagram Single Spring Support Assembly
PROD00017580	12/9/1974 Diagram Single Spring Support Assembly
PROD00017581	12/9/1974 Diagram Single Spring Support Assembly
PROD00017582	12/9/1974 Diagram Single Spring Support Assembly
PROD00017583	12/9/1974 Diagram Single Spring Support Assembly
PROD00017584	12/9/1974 Diagram Single Spring Support Assembly
PROD00017585	12/9/1974 Diagram Single Spring Support Assembly
PROD00017586	12/9/1974 Diagram Single Spring Support Assembly
PROD00017587	12/9/1974 Diagram Single Spring Support Assembly
PROD00017588	12/9/1974 Diagram Single Spring Support Assembly
PROD00017589	12/9/1974 Diagram Single Spring Support Assembly

Document Number	Description
PROD00017590	12/9/1974 Diagram Single Spring Support Assembly
PROD00017591	12/9/1974 Diagram Single Spring Support Assembly
PROD00017592	12/9/1974 Diagram Single Spring Support Assembly
PROD00017593	12/9/1974 Chart Single Spring Support Assembly
PROD00017594	11/12/1974 Feedwater Piping in Turbine Room service invoice and diagram, labeled AS BUILT
PROD00017595	11/12/1974 Feedwater Piping in Turbine Room service invoice and diagram, labeled AS BUILT
PROD00017596	12/30/1974 Turbine Room service invoice
PROD00017597	7/1975 Feedwater Piping in Turbine Room service invoice and diagram, labeled AS BUILT
PROD00017598	11/12/1974 Feedwater Piping in Turbine Room service invoice and diagram, labeled AS BUILT
PROD00017599	11/12/1974 Feedwater Piping in Turbine Room service invoice, labeled AS BUILT
PROD00017600	5/24/1972 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017601	7/11/1975 Feedwater Piping in Turbine Room service invoice and diagram, labeled AS BUILT
PROD00017602	5/15/1972 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017603	5/15/1972 Feedwater Piping in Turbine Room service invoice
PROD00017604	5/15/1972 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017605	5/15/21972 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017606	5/15/1972 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017607	7/11/1975 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017608	7/11/1975 Feedwater Piping in Turbine Room service invoice and diagram
PROD00017609	7/11/1975 Feedwater Piping in Turbine Room, Seismic Restraint service invoice
PROD00017610	Feedwater Piping diagram
PROD00017611	1972 Feedwater Recirculation diagram
PROD00017612	5/9/1972 Feedwater Pump Recirculation and Warm-up Piping service invoice and diagram
PROD00017613	5/9/1972 Feedwater Pump Recirculation and Warm-up Piping service invoice and diagram
PROD00017614	5/9/1972 Feedwater Pump Recirculation and Warm-up Piping service invoice and diagram
PROD00017615	5/9/1972 Feedwater Pump Recirculation and Warm-up Piping service invoice and diagram
PROD00017616	2/23/1999 Feedwater Pump Recirculation and Warm-up Piping Diagram
PROD00017617	5/9/1972 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017618	5/9/1972 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017619	12/19/1974 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017620	12/19/1974 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017621	12/18/1974 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017622	12/18/1974 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017623	Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017624	12/18/1974 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017625	2/23/1999 Diagram of Feedwater Pump Recirculation and Warm-up Piping

Document Number	Description
PROD00017626	12/18/1974 Feedwater Pump Recirculation and Warm-up Piping service receipt
PROD00017627	12/18/1974 Feedwater Piping Fabrication receipt
PROD00017628	12/18/1974 Feedwater Piping Fabrication receipt
PROD00017629	12/18/1974 Feedwater Piping Fabrication receipt
PROD00017630	12/30/1974 Feedwater Piping Fabrication receipt
PROD00017631	12/18/1974 Design of Spring Hanger
PROD00017632	3/1/2010 Review of Freewater Pump Rec and Warm up Piping
PROD00017633	3/4/2010 Review of Freewater Pump Rec and Warm up Piping
PROD00017634	3/4/2010 Review of Freewater Pump Rec and Warm up Piping
PROD00017635	3/1/2010 Review of Freewater Pump Rec and Warm up Piping
PROD00017636	3/1/2010 Review of Freewater Pump Rec and Warm up Piping
PROD00017637	3/2/2010 Review Chart of Seismic Restraint
PROD00017638	Diagram of Single Spring Hanger Assembly
PROD00017639	Diagram of Single Spring Hanger Assembly
PROD00017640	Diagram of Single Spring Hanger Assembly
PROD00017641	Diagram of Single Spring Hanger Assembly
PROD00017642	Allow Field Welds During Installation of Weldolet
PROD00017643	Allowed Field Welds During Installation of Weldolet
PROD00017644	Diagram of Prairie Island Nuclear Generating Plant Elevation View
PROD00017645	Diagram of Prairie Island Nuclear Generating Plant - Elevation View
PROD00017646	12/7/2009 New Document Request Form- analysis of U-2 TB CD line from FW heaters to FW pumps suction
PROD00017647	12/8/2009 Calculation Signature Sheet regarding external design document suitability
PROD00017648	12/7/2009 Calculation Package Analysis of U-2 TB CD Line from FW Heaters to FW Pumps Suction / Turbine Building
PROD00017649	10/28/2009 Calculation Package Analysis of FW and CD Lines in Turbine Building; FW Heaters to FW Pumps Suction
PROD00017650	10/19/2009 Calculation Package titled seismic and HELB Analyses of Unit 1 Feedwater Discharge Piping to 15A/B Heaters and Turbine Building
PROD00017651	12/2/2009 Calculation Package- Analysis of U-1 TB CD Line from FW Heaters to FW Pumps Suction- Turbine Building
PROD00017652	10/31/2009 PINGP - CD Piping GR & TH Analysis - Automated Engineering Service
PROD00017653	File path to retrieve file
PROD00017654	Miscellaneous 3-page Diagram
PROD00017655	12/4/2009 Calculation Package Analysis of Unit 2 Feedwater Discharge Piping to 25A/B HTRS
PROD00017656	12/2/2009 Calculation Package Analysis of U-1 CD Line from WF Heater 12B to FW Heater 13B

Document Number	Description
PROD00017657	Calculation Signature Sheet regarding pipe support condensate/ pipestress analysis heater and HD pump to FW pumps
PROD00017658	Hand-drawn diagram of Node 434 and 334
PROD00017659	New Document Request Form by B. Slack regarding Pipe stress Analysis
PROD00017660	New Document Request Form by B. Slack regarding Pipe stress Analysis
PROD00017661	12/22/2009 New Document Request Form by B. Slack regarding Pipe stress Analysis
PROD00017662	12/22/2009 New Document Request Form by B. Slack regarding Pipe stress Analysis
PROD00017663	3/10/2010 Prairie Island Drawing Request by Brian Slack
PROD00017664	Prairie Island Drawing Request document
PROD00017665	Prairie Island Drawing Request document
PROD00017666	Prairie Island Drawing Request document
PROD00017667	Prairie Island Drawing Request document
PROD00017668	Prairie Island Drawing Request document
PROD00017669	Prairie Island Drawing Request document
PROD00017670	Prairie Island Drawing Request document
PROD00017671	Prairie Island Drawing Request document
PROD00017672	Prairie Island Drawing Request document
PROD00017673	Prairie Island Drawing Request document
PROD00017674	Prairie Island Drawing Request document
PROD00017675	Prairie Island Drawing Request document
PROD00017676	Prairie Island Drawing Request document
PROD00017677	Prairie Island Drawing Request document
PROD00017678	Prairie Island Drawing Request document
PROD00017679	Prairie Island Drawing Request document
PROD00017680	Prairie Island Drawing Request document
PROD00017681	Prairie Island Drawing Request document
PROD00017682	Prairie Island Drawing Request document
PROD00017683	Prairie Island Drawing Request document
PROD00017684	Prairie Island Drawing Request document
PROD00017685	Prairie Island Drawing Request document
PROD00017686	Prairie Island Drawing Request document
PROD00017687	Prairie Island Drawing Request document
PROD00017688	Prairie Island Drawing Request document
PROD00017689	Prairie Island Drawing Request document
PROD00017690	Comments to Calc PI-996-P04
PROD00017691	Hand-drawn diagram of Node 5640

Document Number	Description
PROD00017692	50.59 Screening titled stress analysis of feedwater and condensate piping from heaters and heater drain piping from the pump discharge to the condensate system
PROD00017693	12/7/2009 New Document Request Form regarding pipestress analysis- heater and HD Pump to FW pumps
PROD00017694	Hand-drawn CD Hanger Node Diagram
PROD00017695	Pump Calcs chart
PROD00017696	1970 document regarding Prairie Island Plant Technical Manual/ Engineering Data Sheet/ Instruction for Installation/ diagram comparisons
PROD00017697	Diagram of Reactor Fixed Pump/ Others
PROD00017698	12/8/2009 PINGP Calculation titled Center Aisle Input for Turbine Building Gothic Analyses
PROD00017699	12/8/2009 PINGP Calculation titled Center Aisle Input for Turbine Building Gothic Analyses
PROD00017700	12/8/2009 PINGP Calculation titled Center Aisle Input for Turbine Building Gothic Analyses
PROD00017701	Calculation Signature Sheet #ENG-ME-716, Center Aisle Input for Turbine Building GOTHIC Analysis
PROD00017702	Calculation Signature Sheet #ENG-ME-716, Center Aisle Input for Turbine Building GOTHIC Analysis
PROD00017703	Calculation Signature Sheet #ENG-ME-716, Center Aisle Input for Turbine Building GOTHIC Analysis
PROD00017704	Design Review Checklist for ENG-ME-716, Center Aisle Input for Turbine Building GOTHIC Analysis
PROD00017705	Design Review Comment Form, ENG-ME-716, Center Aisle Input for Turbine Building GOTHIC Analysis
PROD00017706	Calculation Signature Sheet #ENG-ME-716, Center Aisle Input for Turbine Building GOTHIC Analysis
PROD00017707	02/22/2010 EC-0441 PRA Flooding analysis for units 1&2
PROD00017708	Form QF-2100 New Document Request form re Turbine Building HELB Output - 160.9 in MSLB
PROD00017709	Calculation ENG-ME-709 Rev 0 attachment D - PRES
PROD00017710	Calculation ENG-ME-709 Rev 0 attachment D - RHUM
PROD00017711	Calculation ENG-ME-709 Rev 0 attachment D - TEMP
PROD00017712	Calculation ENG-ME-709 Rev 0 attachment C - PRES
PROD00017713	Calculation ENG-ME-709 Rev 0 attachment C - RHUM
PROD00017714	Calculation ENG-ME-709 Rev 0 attachment C - TEMP
PROD00017715	5/11/2007 spreadsheet of GOTHIC data
PROD00017716	Calculation ENG-ME-709 Rev 0 attachment F - RHUM
PROD00017717	Calculation ENG-ME-709 Rev 0 attachment F-TEMP
PROD00017718	Calculation ENG-ME-709 Rev 0 attachment E - PRES
PROD00017719	Calculation ENG-ME-709 Rev 0 attachment E - RHUM
PROD00017720	Calculation ENG-ME-709 Rev 0 attachment E - TEMP
PROD00017721	Calculation ENG-ME-709 Rev 0 attachment H - PRES
PROD00017722	Calculation ENG-ME-709 Rev 0 attachment H - RHUM
PROD00017723	Calculation ENG-ME-709 Rev 0 attachment H -TEMP
PROD00017724	Calculation ENG-ME-709 Rev 0 attachment G - PRES
PROD00017725	Calculation ENG-ME-709 Rev 0 attachment G - RHUM

Document Number	Description
PROD00017726	Calculation ENG-ME-709 Rev 0 attachment G - TEMP
PROD00017727	Calculation ENG-ME-709 Rev 0 attachment J - PRES
PROD00017728	Calculation ENG-ME-709 Rev 0 attachment J - RHUM
PROD00017729	5/11/2007 spreadsheet of GOTHIC data
PROD00017730	Computer File Identification
PROD00017731	Computer File Identification
PROD00017732	Computer File Identification
PROD00017733	Computer File Identification
PROD00017734	5/11/2007 spreadsheet of GOTHIC data
PROD00017735	5/11/2007 spreadsheet of GOTHIC data
PROD00017736	Computer File Identification
PROD00017737	Computer File Identification
PROD00017738	Computer File Identification
PROD00017739	Computer File Identification
PROD00017740	Calculation ENG-ME-709 Rev 0 attachment I - TEMP
PROD00017741	Design Review Checklist Turbine Building HELB Output 160.9 in MSLB/Rev. 0
PROD00017742	Design Review Comment Form ENG-ME-709 / Turbine Building HELB Output 160.9 in MSLB
PROD00017743	Calculation Signature Sheet ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017744	05/07/2010 PINGP Calculation ENG-ME-709 Turbine building HELB output 160.90 in MSLB
PROD00017745	5/11/2007 spreadsheet of GOTHIC data
PROD00017746	Computer File Identification
PROD00017747	Computer File Identification
PROD00017748	Computer File Identification
PROD00017749	Computer File Identification
PROD00017750	Computer File Identification
PROD00017751	Computer File Identification
PROD00017752	Calculation ENG-ME-709 Rev 0 Attachment D - RHUM
PROD00017753	Calculation ENG-ME-709 Rev 0 Attachment D - TEMP
PROD00017754	Calculation ENG-ME-709 Rev 0 Attachment C - PRES
PROD00017755	Calculation ENG-ME-709 Rev 0 Attachment C - RHUM
PROD00017756	Calculation ENG-ME-709 Rev 0 Attachment C -TEMP
PROD00017757	Calculation ENG-ME-709 Rev 0 Attachment F - PRES
PROD00017758	Calculation ENG-ME-709 Rev 0 Attachment F - RHUM
PROD00017759	Calculation ENG-ME-709 Rev 0 Attachment F - TEMP
PROD00017760	5/11/2007 spreadsheet of GOTHIC data
PROD00017761	Computer File Identification

Document Number	Description
PROD00017762	Computer File Identification
PROD00017763	Computer File Identification
PROD00017764	Computer File Identification
PROD00017765	Computer File Identification
PROD00017766	Calculation ENG-ME-709 Rev 0 Attachment E - RHUM
PROD00017767	Calculation ENG-ME-709 Rev 0 Attachment E - TEMP
PROD00017768	Calculation ENG-ME-709 Rev 0 Attachment H - PRES
PROD00017769	Calculation ENG-ME-709 Rev 0 Attachment H - RHUM
PROD00017770	Calculation ENG-ME-709 Rev 0 Attachment H - TEMP
PROD00017771	Calculation ENG-ME-709 Rev 0 Attachment G - PRES
PROD00017772	Calculation ENG-ME-709 Rev 0 Attachment G - RHUM
PROD00017773	Calculation ENG-ME-709 Rev 0 Attachment G - TEMP
PROD00017774	Calculation ENG-ME-709 Rev 0 Attachment J - PRES
PROD00017775	Calculation ENG-ME-709 Rev 0 Attachment J - RHUM
PROD00017776	Calculation ENG-ME-709 Rev 0 Attachment J - TEMP
PROD00017777	5/11/2007 spreadsheet of GOTHIC data
PROD00017778	Computer File Identification
PROD00017779	Computer File Identification
PROD00017780	Computer File Identification
PROD00017781	Computer File Identification
PROD00017782	Computer File Identification
PROD00017783	Calculation ENG-ME-709 Rev 0 Attachment I - RHUM
PROD00017784	Calculation ENG-ME-709 Rev 0 Attachment I - TEMP
PROD00017785	Design Review Checklist for ENG-ME-709/Turbine Building HELB Output 160.9 in MSLB
PROD00017786	Design review comment form for ENG-ME-709/Turbine Building HELB Output 160.9 in MSLB
PROD00017787	Calculation Signature Sheet for ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017788	PINGP Calculation ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017789	Calculation Signature Sheet ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017790	New document request form originated by B Slack for ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017791	Calculation Signature Sheet ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017792	Calculation Signature Sheet ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017793	Calculation ENG-ME-709 Rev 0 Attachment C - TEMP
PROD00017794	Calculation ENG-ME-709 Rev 0 Attachment C - PRES
PROD00017795	Calculation ENG-ME-709 Rev 0 Attachment C - RHUM
PROD00017796	Calculation ENG-ME-709 Rev 0 Attachment C - TEMP

Document Number	Description
PROD00017797	Calculation ENG-ME-709 Rev 0 Attachment D -TEMP
PROD00017798	Calculation ENG-ME-709 Rev 0 Attachment D - PRES
PROD00017799	Calculation ENG-ME-709 Rev 0 Attachment D - RHUM
PROD00017800	Calculation ENG-ME-709 Rev 0 Attachment D - TEMP
PROD00017801	Calculation ENG-ME-709 Rev 0 Attachment E - TEMP
PROD00017802	Calculation ENG-ME-709 Rev 0 Attachment E - PRES
PROD00017803	Calculation ENG-ME-709 Rev 0 Attachment E - RHUM
PROD00017804	Calculation ENG-ME-709 Rev 0 Attachment E - TEMP
PROD00017805	Calculation ENG-ME-709 Rev 0 Attachment F - TEMP
PROD00017806	Calculation ENG-ME-709 Rev 0 Attachment F - PRES
PROD00017807	Calculation ENG-ME-709 Rev 0 Attachment F- RHUM
PROD00017808	Calculation ENG-ME-709 Rev 0 Attachment F - TEMP
PROD00017809	Calculation ENG-ME-709 Rev 0 Attachment G - TEMP
PROD00017810	Calculation ENG-ME-709 Rev 0 Attachment G - PRES
PROD00017811	Calculation ENG-ME-709 Rev 0 Attachment G - RHUM
PROD00017812	Calculation ENG-ME-709 Rev 0 Attachment G - TEMP
PROD00017813	Calculation ENG-ME-709 Rev 0 Attachment H - TEMP
PROD00017814	Calculation ENG-ME-709 Rev 0 Attachment H - PRES
PROD00017815	Calculation ENG-ME-709 Rev 0 Attachment H - RHUM
PROD00017816	Calculation ENG-ME-709 Rev 0 Attachment H - Temp
PROD00017817	Calculation ENG-ME-709 Rev 0 Attachment I - TEMP
PROD00017818	Calculation ENG-ME-709 Rev 0 Attachment I - PRES
PROD00017819	Calculation ENG-ME-709 Rev 0 Attachment I - RHUM
PROD00017820	Calculation ENG-ME-709 Rev 0 Attachment I - TEMP
PROD00017821	Calculation ENG-ME-709 Rev 0 Attachment J - TEMP
PROD00017822	Calculation ENG-ME-709 Rev 0 Attachment J - PRES
PROD00017823	Calculation ENG-ME-709 Rev 0 Attachment J - RHUM
PROD00017824	Calculation ENG-ME-709 Rev 0 Attachment J - TEMP
PROD00017825	Design Review Checklist ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017826	Design review comment form ENG-ME-709 turbine building HELB output 160.9 in MSLB
PROD00017827	Calculation Signature Sheet ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017828	PINGP Calculation for ENG-ME-709 Turbine Building HELB Output 160.9 in MSLB
PROD00017829	Calculation ENG-ME-709 Rev 0 Attachment E - TEMP
PROD00017830	Calculation ENG-ME-709 Rev 0 Attachment E-PRES
PROD00017831	Calculation ENG-ME-709 Rev 0 Attachment E - RHUM
PROD00017832	Calculation ENG-ME-709 Rev 0 Attachment E - TEMP

Document Number	Description
PROD00017833	Calculation ENG-ME-709 Rev 0 Attachment F - TEMP
PROD00017834	Calculation ENG-ME-709 Rev 0 Attachment F - PRES
PROD00017835	Calculation ENG-ME-709 Rev 0 Attachment F - RHUM
PROD00017836	Calculation ENG-ME-709 Rev 0 Attachment F - TEMP
PROD00017837	Calculation ENG-ME-709 Rev 0 Attachment I - TEMP
PROD00017838	Calculation ENG-ME-709 Rev 0 Attachment I - PRES
PROD00017839	Calculation ENG-ME-709 Rev 0 Attachment I - RHUM
PROD00017840	Calculation ENG-ME-709 Rev 0 Attachment I - TEMP
PROD00017841	Calculation ENG-ME-709 Rev 0 Attachment J - TEMP
PROD00017842	Calculation ENG-ME-709 Rev 0 Attachment J - PRES
PROD00017843	Calculation ENG-ME-709 Rev 0 Attachment J - RHUM
PROD00017844	Calculation ENG-ME-709 Rev 0 Attachment J - TEMP
PROD00017845	New document request form originated by B Slack Turbine Building HELB Output 160.9 in MSLB
PROD00017846	Calculation ENG-ME-710 Rev 0 Attachment L - PRES
PROD00017847	Calculation ENG-ME-710 Rev 0 Attachment L - RHUM
PROD00017848	Calculation ENG-ME-710 Rev 0 Attachment L - TEMP
PROD00017849	Calculation ENG-ME-710 Rev 0 Attachment K - PRES
PROD00017850	Calculation ENG-ME-710 Rev 0 Attachment K - RHUM
PROD00017851	5/12/2007 spreadsheet of GOTHIC data
PROD00017852	Computer File Identification
PROD00017853	Computer File Identification
PROD00017854	Computer File Identification
PROD00017855	Computer File Identification
PROD00017856	Computer File Identification
PROD00017857	Calculation ENG-ME-710 Rev 0 Attachment N - PRES
PROD00017858	Calculation ENG-ME-710 Rev 0 Attachment N - RHUM
PROD00017859	5/12/2007 spreadsheet of GOTHIC data
PROD00017860	Computer File Identification
PROD00017861	Computer File Identification
PROD00017862	Computer File Identification
PROD00017863	Computer File Identification
PROD00017864	Calculation ENG-ME-710 Rev 0 Attachment M - PRES
PROD00017865	Calculation ENG-ME-710 Rev 0 Attachment M - RHUM
PROD00017866	Calculation ENG-ME-710 Rev 0 Attachment M - TEMP
PROD00017867	Calculation ENG-ME-710 Rev 0 Attachment T - PRES
PROD00017868	Calculation ENG-ME-710 Rev 0 Attachment T - RHUM

Document Number	Description
PROD00017869	Calculation ENG-ME-710 Rev 0 Attachment T - TEMP
PROD00017870	Calculation ENG-ME-710 Rev 0 Attachment S - PRES
PROD00017871	Calculation ENG-ME-710 Rev 0 Attachment S - RHUM
PROD00017872	Calculation ENG-ME-710 Rev 0 Attachment S - TEMP
PROD00017873	Calculation ENG-ME-710 Rev 0 Attachment V - PRES
PROD00017874	Calculation ENG-ME-710 Rev 0 Attachment V - RHUM
PROD00017875	Calculation ENG-ME-710 Rev 0 Attachment V - TEMP
PROD00017876	Calculation ENG-ME-710 Rev 0 Attachment U - PRES
PROD00017877	Calculation ENG-ME-710 Rev 0 Attachment U - RHUM
PROD00017878	Calculation ENG-ME-710 Rev 0 Attachment U - TEMP
PROD00017879	Calculation ENG-ME-710 Rev 0 Attachment P - PRES
PROD00017880	Calculation ENG-ME-710 Rev 0 Attachment P - RHUM
PROD00017881	Calculation ENG-ME-710 Rev 0 Attachment P - TEMP
PROD00017882	Calculation ENG-ME-710 Rev 0 Attachment O - PRES
PROD00017883	Calculation ENG-ME-710 Rev 0 Attachment O - RHUM
PROD00017884	Calculation ENG-ME-710 Rev 0 Attachment O - TEMP
PROD00017885	Calculation ENG-ME-710 Rev 0 Attachment R - PRES
PROD00017886	Calculation ENG-ME-710 Rev 0 Attachment R - RHUM
PROD00017887	Calculation ENG-ME-710 Rev 0 Attachment R - TEMP
PROD00017888	Calculation ENG-ME-710 Rev 0 Attachment Q - PRES
PROD00017889	Calculation ENG-ME-710 Rev 0 Attachment Q - RHUM
PROD00017890	Calculation ENG-ME-710 Rev 0 Attachment Q - TEMP
PROD00017891	Calculation ENG-ME-710 Rev 0 Attachment X - PRES
PROD00017892	Calculation ENG-ME-710 Rev 0 Attachment X - RHUM
PROD00017893	Calculation ENG-ME-710 Rev 0 Attachment X - TEMP
PROD00017894	Calculation ENG-ME-710 Rev 0 Attachment W - PRES
PROD00017895	Calculation ENG-ME-710 Rev 0 Attachment W - RHUM
PROD00017896	Calculation ENG-ME-710 Rev 0 Attachment W - TEMP
PROD00017897	Calculation ENG-ME-710 Rev 0 Attachment Z - PRES
PROD00017898	Calculation ENG-ME-710 Rev 0 Attachment Z - RHUM
PROD00017899	Calculation ENG-ME-710 Rev 0 Attachment Z - TEMP
PROD00017900	Calculation ENG-ME-710 Rev 0 Attachment Y - PRES
PROD00017901	5/12/2007 spreadsheet of GOTHIC data
PROD00017902	5/12/2007 spreadsheet of GOTHIC data
PROD00017903	Computer File Identification
PROD00017904	Computer File Identification

Document Number	Description
PROD00017905	Computer File Identification
PROD00017906	Computer File Identification
PROD00017907	Calculation ENG-ME-710 Rev 0 Attachment D - PRES
PROD00017908	Calculation ENG-ME-710 Rev 0 Attachment D - RHUM
PROD00017909	Calculation ENG-ME-710 Rev 0 Attachment D - TEMP
PROD00017910	Calculation ENG-ME-710 Rev 0 Attachment C - PRES
PROD00017911	Calculation ENG-ME-710 Rev 0 Attachment C - RHUM
PROD00017912	Calculation ENG-ME-710 Rev 0 Attachment C - TEMP
PROD00017913	5/12/2007 spreadsheet of GOTHIC data
PROD00017914	Computer File Identification
PROD00017915	Computer File Identification
PROD00017916	Computer File Identification
PROD00017917	Computer File Identification
PROD00017918	Computer File Identification
PROD00017919	5/12/2007 spreadsheet of GOTHIC data
PROD00017920	Computer File Identification
PROD00017921	Computer File Identification
PROD00017922	Computer File Identification
PROD00017923	Computer File Identification
PROD00017924	Calculation ENG-ME-710 Rev 0 Attachment F - Temp
PROD00017925	Calculation ENG-ME-710 Rev 0 Attachment E - Pres
PROD00017926	Calculation ENG-ME-710 Rev 0 Attachment E - RHUM
PROD00017927	Calculation ENG-ME-710 Rev 0 Attachment E - TEMP
PROD00017928	Calculation ENG-ME-710 Rev 0 Attachment H - Pres
PROD00017929	Calculation ENG-ME-710 Rev 0 Attachment H - RHUM
PROD00017930	Calculation ENG-ME-710 Rev 0 Attachment H - TEMP
PROD00017931	Calculation ENG-ME-710 Rev 0 Attachment G - PRES
PROD00017932	Calculation ENG-ME-710 Rev 0 Attachment G - RHUM
PROD00017933	Calculation ENG-ME-710 Rev 0 Attachment G - TEMP
PROD00017934	Calculation ENG-ME-710 Rev 0 Attachment J - PRES
PROD00017935	Calculation ENG-ME-710 Rev 0 Attachment J - RHUM
PROD00017936	Calculation ENG-ME-710 Rev 0 Attachment J - TEMP
PROD00017937	5/12/2007 spreadsheet of GOTHIC data
PROD00017938	xml file http://schemas.openxmlformats.org/package/2006/content-types Computer File Identification
PROD00017939	xml file http://schemas.openxmlformats.org/officeDocument/2006/extended-properties

Document Number	Description
PROD00017940	xml file http://schemas.openxmlformats.org/package/2006/metadata/core-properties
PROD00017941	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017942	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017943	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017944	xml file http://schemas.openxmlformats.org/drawingml/2006/main
PROD00017945	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017946	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment I RHUM
PROD00017947	5/12/2007 spreadsheet of GOTHIC data
PROD00017948	xml file http://schemas.openxmlformats.org/officeDocument/2006/extended-properties
PROD00017949	xml file http://schemas.openxmlformats.org/package/2006/metadata/core-properties
PROD00017950	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017951	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017952	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017953	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017954	Calculation ENG-ME-710 rev 0 Spreadsheet Attachment W TEMP
PROD00017955	Calculation ENG-ME-710 Rev 0 Attachment Z PRES
PROD00017956	Calculation ENG-ME-710 Rev 0 Attachment Z RHUM
PROD00017957	5/12/2007 spreadsheet of GOTHIC data
PROD00017958	xml file http://schemas.openxmlformats.org/officeDocument/2006/extended-properties
PROD00017959	xml file http://schemas.openxmlformats.org/package/2006/metadata/core-properties
PROD00017960	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017961	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017962	Calculation ENG-ME-710 Rev 0 Attachment Z
PROD00017963	5/12/2007 spreadsheet of GOTHIC data
PROD00017964	xml file http://schemas.openxmlformats.org/officeDocument/2006/extended-properties
PROD00017965	xml file http://schemas.openxmlformats.org/package/2006/metadata/core-properties
PROD00017966	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017967	xml file http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017968	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment Y
PROD00017969	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment D
PROD00017970	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment D
PROD00017971	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment D
PROD00017972	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment C
PROD00017973	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment C RHUM
PROD00017974	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment C TEMP
PROD00017975	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment F PRES

Document Number	Description
PROD00017976	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment F RHUM
PROD00017977	5/12/2007 spreadsheet of GOTHIC data
PROD00017978	xml computer coding http://schemas.openxmlformats.org/officeDocument/2006/extended-properties
PROD00017979	xml file extension http://schemas.openxmlformats.org/package/2006/metadata/core-properties
PROD00017980	xml file extension http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017981	xml file extension http://schemas.openxmlformats.org/spreadsheetml/2006/main
PROD00017982	Calculation ENG-ME-710 Rev 0 Spreadsheet Attachment E PRES
PROD00017983	5/12/2007 spreadsheet of GOTHIC data
PROD00017984	unidentifiable computer code
PROD00017985	unidentifiable computer code
PROD00017986	unidentifiable computer code
PROD00017987	unidentifiable computer code
PROD00017988	calculation ENG - ME Attachment E - Temp
PROD00017989	calculation ENG/ME 710 Attachment H
PROD00017990	calculation ENG-Me -710 Attachment H
PROD00017991	calculation ENG-Me -710 Attachment H
PROD00017992	calculation ENG-Me -710 Attachment G
PROD00017993	calculation ENG-ME -710 Attachment G
PROD00017994	calculation ENG-ME -710 Attachment G
PROD00017995	calculation ENG-ME -710 Attachment J
PROD00017996	calculation ENG-ME -710 Attachment I
PROD00017997	5/12/2007 spreadsheet of GOTHIC data
PROD00017998	Calculation ENG-ME -710 attachment I
PROD00017999	Calculation ENG-ME -710 attachment I RHUM
PROD00018000	5/12/2007 spreadsheet of GOTHIC data
PROD00018001	Turbine building HELB output design review check list
PROD00018002	Turbine building HELB Out put design review form 5/7/2010
PROD00018003	Turbine Building HELB output calculation signature sheet
PROD00018004	Turbine building HELB Output PINGP Calculation 5/7/2010
PROD00018005	Turbine Building HELB Output Design Review Checklist
PROD00018006	Turbine Building HELB Output Design Review Comment Form 5/7/2010
PROD00018007	Turbine Building HELB Output Calculation Signature Sheet 5/7/2010
PROD00018008	Turbine Building HELB Output PING calculation 5/7/2010
PROD00018009	Turbine Building HELB Output Calculation signature sheet 5/19/2010
PROD00018010	Turbine Building HELB Output new document request form 4/23/2010
PROD00018011	Turbine Building HELB Output calculation signature sheet 5/7/2010

Document Number	Description
PROD00018012	Turbine Building HELB Output calculation signature page 5/7/2010
PROD00018013	Turbine Building HELB Output design review checklist
PROD00018014	Turbine Building HELB Output design review comment form 5/7/2010
PROD00018015	Turbine Building HELB Output calculation signature page
PROD00018016	Turbine Building HELB Output PINGP Calculation 5/7/2010
PROD00018017	Turbine Building HELB Output new document request form
PROD00018018	Turbine Building HELB Output PINGP Calculation 5/4/2010
PROD00018019	Turbine Building HELB Output
PROD00018020	HELB Flow paths Spreadsheet
PROD00018021	Turbine Building HELB Output PING Calculation Attachment 10 5/4/2010
PROD00018022	Turbine Building HELB Output PINGP Calculation attachment1 5/4/2010
PROD00018023	Turbine Building HELB Output
PROD00018024	Turbine Building HELB Output PING Calculation Attachment 2 Winter Base Gothic Differences Tables
PROD00018025	Turbine Building HELB Output calculations winter base
PROD00018026	Turbine Building HELB Output PINGP Calculation Attachment 3 Gothic differences tables 5/4/2010
PROD00018027	Turbine Building HELB Output calculations summer base
PROD00018028	Turbine Building HELB Output PINGP Calculation Attachment 4 Gothic differences 5/4/2010
PROD00018029	Turbine Building HELB Output calculations winter base
PROD00018030	Turbine Building HELB Output PINGP Calculation Attachment 5 Gothic differences tables 5/4/2010
PROD00018031	Turbine Building HELB Output calculations summer base
PROD00018032	Turbine Building HELB Output PINGP Calculation Attachment ^ Gothic differences tables 5/4/2010
PROD00018033	Turbine Building HELB Output calculations winter base
PROD00018034	Turbine Building HELB Output PINGP Calculation Attachment 7 5/4/2010
PROD00018035	Turbine Building HELB Output calculations summer base
PROD00018036	Turbine Building HELB Output PINGP Calculations Attachment 5/4/2010
PROD00018037	Turbine Building HELB Output calculations winter base
PROD00018038	Turbine Building HELB Output PINGP Calculation Attachment 9 Gothic Diff Tables 5/4/2010
PROD00018039	Turbine Building HELB Output calculations attachment 11
PROD00018040	Turbine Building HELB Output calculations attachment 11
PROD00018041	Turbine Building HELB Output calculations attachment 12
PROD00018042	Turbine Building HELB Output calculations attachment 12
PROD00018043	Turbine Building HELB Output calculations attachment 13
PROD00018044	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 13
PROD00018045	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 14
PROD00018046	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 14
PROD00018047	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 15

Document Number	Description
PROD00018048	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 15
PROD00018049	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 15
PROD00018050	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 16
PROD00018051	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 17
PROD00018052	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 17
PROD00018053	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 18
PROD00018054	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 18
PROD00018055	718MS2D1-R-L-S pres.txt GOTHIC variables 4/6/2010
PROD00018056	718MS2D1-R-L-S rhum.txt GOTHIC variables 4/6/2010
PROD00018057	718MS2D1-R-L- temp.txt GOTHIC variables 4/6/2010
PROD00018058	718MS2D1-R-L-W pres.txt GOTHIC variables 4/6/2010
PROD00018059	718MS2D1-R-L-W rhum.txt GOTHIC variables 4/6/2010
PROD00018060	718MS2D1-R-L-W temp.txt GOTHIC variables 4/6/2010
PROD00018061	718MS2D1-R-S-S-pres.txt GOTHIC 4/6/2010 variables
PROD00018062	718MS2D1-R-S-S-rhums.txt GOTHIC 4/6/2010 variables
PROD00018063	718MS2D1-R-S-S-temp.txt GOTHIC 4/6/2010 variables
PROD00018064	718MS2D1-R-S-W-pres.txt GOTHIC 4/6/2010 variables
PROD00018065	718MS2D1-R-S-W-rhum.txt GOTHIC 4/6/2010 variables
PROD00018066	718MS2D1-R-S-W-temp.txt GOTHIC 4/6/2010 variables
PROD00018067	718MS2H1-O-L-S-pres.txt GOTHIC 4/7/2010 variables
PROD00018068	718MS2H1-O-L-S-rhum.txt GOTHIC 4/7/2010 variables
PROD00018069	718MS2H1-O-L-S-temp.txt GOTHIC 4/7/2010 variables
PROD00018070	718MS2H1-O-L-W-pres.txt GOTHIC 4/7/2010 variables
PROD00018071	718MS2H1-O-L-W-rhum.txt GOTHIC 4/7/2010 variables
PROD00018072	718MS2H1-O-L-W-temp.txt GOTHIC 4/7/2010 variables
PROD00018073	718MS2H1-O-S-S-pres.txt GOTHIC 4/7/2010 variables
PROD00018074	718MS2H1-O-S-S-rhum.txt GOTHIC 4/7/2010 variables
PROD00018075	718MS2H1-O-S-S-temp.txt GOTHIC 4/7/2010 variables
PROD00018076	718MS2H1-O-S-W-pres.txt GOTHIC 4/7/2010 variables
PROD00018077	718MS2H1-O-S-W-rhum.txt GOTHIC 4/7/2010 variables
PROD00018078	718MS2H1-O-S-W-temp.txt GOTHIC 4/7/2010 variables
PROD00018079	Turbine Building HELB Output PING Calculation Attachment 10 OSS Gothic Difference tables 4/7/10
PROD00018080	Turbine Building HELB Output PING Calculation Attachment 1 summer base Gothic Difference tables 4/7/10
PROD00018081	Turbine Building HELB Output PING Calculation Attachment 2 winter base Gothic Difference tables 4/7/10
PROD00018082	Turbine Building HELB Output PING Calculation Attachment 3 Case 718MS2D1 R-L-W Gothic Difference tables 4/7/10

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PROD00018083	Turbine Building HELB Output PING Calculation Attachment 4 Case 718MS2D1 R-L-S Gothic Difference tables 4/7/10
PROD00018084	Turbine Building HELB Output Attachment 5 Case 718MS2D1 R-S-W Gothic Differences Tables 4/7/2010
PROD00018085	Turbine Building HELB Output Attachment 6 Case 718MS2D1 R-S-S Gothic Differences Tables 4/7/2010
PROD00018086	Turbine Building HELB Output PINGP Calculation Attachment 7 Case 718MS2H1 O-L-W Gothic Differences Tables 4/7/2010
PROD00018087	Turbine Building HELB Output PINGP Calculation Attachment 8 Case 718MS2H1 O-L-S Gothic Differences Tables 4/7/2010
PROD00018088	Turbine Building HELB Output PINGP Calculation Attachment 9 Case 718MS2H1 O-S-W Gothic Differences Tables 4/7/2010
PROD00018089	File comparison HELB\ENG-ME-774 summer base - forcing function tables
PROD00018090	File comparison HELB\ENG-ME-774 summer base - forcing flow paths tables
PROD00018091	Calculation ENG-ME-774 Attachment 11 variables
PROD00018092	Calculation ENG-ME-774 Attachment 12 variables
PROD00018093	Calculation ENG-ME-774 Attachment 13 variables
PROD00018094	Calculation ENG-ME-774 Attachment 14 variables
PROD00018095	Calculation ENG-ME-774 Attachment 15 MS2H1-O-L-W temp.txt Gothic 4/7/2010 variables
PROD00018096	Calculation ENG-ME-774 Attachment 16 718MS2H1-O-L-S- temp.txt Gothic 4/7/2010 variables
PROD00018097	Calculation ENG-ME-774 Attachment 17 718MS2H1-O-S-W temp.txt Gothic 4/7/2010 variables
PROD00018098	Calculation ENG-ME-774 Attachment 18 718MS2H1-O-S-S temp.txt Gothic 4/7/2010 variables
PROD00018099	File comparison ENG-ME-774 winter base forcing function tables
PROD00018100	File comparison ENG-ME-774 winter base flow paths table 1
PROD00018101	File comparison ENG-ME-774 summer base flow paths table 1
PROD00018102	File comparison ENG-ME-774 winter base flow paths table 1
PROD00018103	File comparison ENG-ME-774 summer base flow paths table 1
PROD00018104	File comparison ENG-ME-774 winter base flow paths table 1
PROD00018105	File comparison ENG-ME-774 summer base flow paths table 1
PROD00018106	File comparison ENG-ME-774 winter base Flow Paths Table 1
PROD00018107	Calculation ENG-ME-Attachment 11, 1016MS1J3-S-temp.txt GOTHIC 1/22/2010
PROD00018108	Turbine Building HELB Output PINGP Calculation 4/7/2010
PROD00018109	Turbine Building HELB Output PINGP Calculation 4/7/2010 attachment 11
PROD00018110	Turbine Building HELB Output PINGP Calculation 4/7/2010 Attachment 4
PROD00018111	Turbine Building HELB Output PINGP Calculation 4/7/2010 718MS2H1 O-S-S temp.txt GOTHIC variables
PROD00018112	Turbine Building HELB Output PINGP Calculation 4/7/2010 Attachment 14
PROD00018113	Turbine Building HELB Output PINGP Calculation 4/7/2010
PROD00018114	Turbine Building HELB Output PINGP Calculation 5/4/2010

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PROD00018115	Turbine Building HELB Output - 71.8 in MSLB Design Review Comment Form
PROD00018116	Turbine Building HELB Output 71.8 in MSLB Calculation signature Page 4/7/2010
PROD00018117	Turbine Building HELB Output 71.8 in MSLB New Document Request Form 4/22/2010
PROD00018118	Turbine Building Calculation ENG-ME-XXX Attachment 11, 1016MS1J3-S-temp.txt GOTHIC 1/22/2010 variables
PROD00018119	Turbine Building Calculation ENG-ME-774 Attachment 14
PROD00018120	Turbine Building Calculation ENG-ME-774 Attachment 11, 718MS2D1-R-L-W-temp.txt GOTHIC 4/6/2010 variables
PROD00018121	Turbine Building Calculation ENG-ME-774 Attachment 13, 718MS2D1- R-S-W-temp.txt GOTHIC 4/6/2010 variables
PROD00018122	Turbine Building HELB Output PINGP Calculation
PROD00018123	Turbine Building HELB Output Calculation Signature Sheet 4/7/2010
PROD00018124	Turbine Building HELB Output Calculation ENG-ME-774 Attachment 14
PROD00018125	Turbine Building HELB Output New Document Request Form
PROD00018126	Turbine Building HELB Output PINGP Calculation 5/4/2010
PROD00018127	File comparison ENG-ME-775 summer base Forcing Function Tables
PROD00018128	File comparison ENG-ME-775 summer base Flow Paths Table 1
PROD00018129	Turbine Building HELB Output PING Calculation Attachment 10 Case 457MS2H1-O-S-S- Gothic Differences Tables
PROD00018130	Calculation ENG-ME-775 Attachment 11 457MS2D1-R-L-W-temp.txt GOTHIC 4/23/2010 variables
PROD00018131	Calculation ENG-ME-775 Attachment 12 4/23/2010 variables
PROD00018132	Calculation ENG-ME-775 Attachment 13 457MS2D1- R-S-W- temp.txt GOTHIC 4/23/2010 variables
PROD00018133	Calculation ENG-ME-775 Attachment 14 457MS2D1- R-S-s- temp.txt GOTHIC 4/23/2010 variables
PROD00018134	Calculation ENG-ME-775 Attachment 15 457MS2H1- O-L-W- temp.txt GOTHIC 4/23/2010 variables
PROD00018135	Calculation ENG-ME-775 Attachment 16 457MS2H1- O-L-S- temp.txt GOTHIC 4/23/2010 variables
PROD00018136	Calculation ENG-ME-775 Attachment 17 457MS2H1- O-S-W- temp.txt GOTHIC 4/23/2010 variables
PROD00018137	Calculation ENG-ME-775 Attachment 18 457MS2H1- O-S-S- temp.txt GOTHIC 4/23/2010 variables
PROD00018138	Turbine Building HELB Output PINGP Calculation Attachment ! Summer Base Case GOTHIC Differences Tables 4/26/2010
PROD00018139	File Comparison ENG-ME-775 winter base Forcing Function Tables January 2006
PROD00018140	Turbine Building HELB Output PINGP Calculation Attachment Winter Base Case GOTHIC Differences Tables 4/26/2010
PROD00018141	File Comparison HELB/ENG-ME-775 Flow Paths Table 1
PROD00018142	Turbine Building HELB Output PINGP Calculation Attachment 3 Case 457MS2D1-R-L-W- GOTHIC Differences Tables 4/26/2010
PROD00018143	HELB/ENG-ME-775 summer base Flow Paths Table 1

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PROD00018144	Turbine Building HELB Output PINGP Calculation Attachment 4 Case 457MS2D1 R-L-S GOTHIC Differences Tables 4/26/2010
PROD00018145	File Comparison HELB/ENG-ME winter base Flow Paths
PROD00018146	Turbine Building HELB Output PINGP Calculation Attachment 5 Case 457MS2D1-R-S-W GOTHIC Differences Tables 4/26/2010
PROD00018147	File Comparison HELB/ENG-ME 775 summer base Flow Paths Table 1
PROD00018148	Turbine Building HELB Output PINGP Calculation Attachment 6 Case 457MS2D1 R-S-S GOTHIC Differences Tables 4/26/2010
PROD00018149	File Comparison HELB/ENG/ME winter base Flow Paths Table 1
PROD00018150	Turbine Building HELB Output PINGP Calculation Attachment 7 Case 457MS2H1-O-L-W GOTHIC Differences Tables 4/26/2010
PROD00018151	File Comparison HELB/ENF-ME summer base Flow Paths Table 1
PROD00018152	Turbine Building HELB Output PINGP Calculation Attachment 8 Case 457MS2H1 O-L-S GOTHIC Differences Tables 4/26/2010
PROD00018153	File Comparison HELB/ENG-ME winter base
	Flow Path Table 1
PROD00018154	Turbine Building HELB Output PINGP Calculation Attachment 9 Case 457MS2H1-O-S-W GOTHIC Differences Tables 4/26/2010
PROD00018155	Calculation ENG-ME-775 Attachment 11 variables
PROD00018156	Calculation ENG-Me-775 Attachment 12 variables
PROD00018157	Calculation ENG-ME-775 Attachment 13 variables
PROD00018158	Calculations ENG-ME-775 Attachment 14 variables
PROD00018159	Calculation ENG-ME-775 Attachment 15 variables
PROD00018160	Calculation ENG-ME-775 Attachment 16 variables
PROD00018161	Calculation ENG-ME-775 Attachment 17 variables
PROD00018162	Calculations ENG-ME-775 Attachment 18 variables
PROD00018163	457MS2D1-R-L-S-pres.txt GOTHIC 4/22/2010 variables
PROD00018164	457MS2D1-R-L-S-rhum.txt GOTHIC 4/22/2010 variables
PROD00018165	457MS2D1-R-L-S-temp.txt GOTHIC 4/22/2010 variables
PROD00018166	457MS2D1-R-L-W-pres.txt GOTHIC 4/22/2010 variables
PROD00018167	457MS2D1-R-L-W-rhum.txt GOTHIC 4/22/2010 variables
PROD00018168	457MS2D1-R-L-W-temp.txt GOTHIC 4/22/2010 variables
PROD00018169	457MS2D1-R-S-S-pres.txt GOTHIC 4/22/2010 variables
PROD00018170	457MS2D1-R-S-S-rhum.txt GOTHIC 4/22/2010 variables
PROD00018171	457MS2D1-R-S-S-temp.txt GOTHIC 4/22/2010 variables
PROD00018172	457MS2D1-R-S-W-rhum.txt GOTHIC 4/22/2010 variables

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PROD00018173	457MS2D1-R-S-W-pres.txt GOTHIC 4/22/2010 variables
PROD00018174	457MS2D1-R-S-W-temp.txt GOTHIC 4/22/2010 variables
PROD00018175	Turbine Building HELB Output Attachment 10 Case 457MS2H1-O-S-S- GOTHIC Differences Tables PING Calculation 4/7/2010
PROD00018176	Turbine Building HELB Output Attachment 1 Summer Base Case GOTHIC Differences Tables PINGP Calculation 4/7/2010
PROD00018177	Turbine Building HELB Output Attachment 2 Winter Base GOTHIC Differences Tables PINGP Calculation 4/7/2010
PROD00018178	Turbine Building HELB Output Attachment 3 Case 457MS2D1-R-L-W GOTHIC Differences Tables PINGP Calculation 4/7/2010
PROD00018179	Turbine Building HELB Output Attachment 4 Case 457MS2D1-R-L-S Gothic Difference tables PINGP Calculations
PROD00018180	Turbine Building HELB Output Attachment 5 Case 457MS2D1-R-S-W GOTHIC Differences tables PINGP Calculation 4/7/2010
PROD00018181	Turbine Building HELB Output Attachment 6 Case 457MS2D1-R-S-S- GOTHIC Differences Tables PINGP Calculation 4/7/2010
PROD00018182	4/7/2010 report calculation re: turbine building HELB output
PROD00018183	4/7/2010 report calculation re: turbine building HELB output
PROD00018184	4/7/2010 report calculation re: turbine building HELB output
PROD00018185	4/22/2010 Engineering statistics and chart
PROD00018186	4/22/2010 Engineering statistics and chart
PROD00018187	Engineering statistics and chart
PROD00018188	Engineering statistics and chart
PROD00018189	Engineering statistics and chart
PROD00018190	Engineering statistics and chart
PROD00018191	4/22/2010 HELB engineering statistics and charts
PROD00018192	4/22/2010 HELB engineering statistics and charts
PROD00018193	4/22/2010 HELB engineering statistics and charts
PROD00018194	4/22/2010 HELB engineering statistics and charts
PROD00018195	4/22/2010 HELB engineering statistics and charts
PROD00018196	HELB engineering statistics and charts
PROD00018197	HELB engineering statistics
PROD00018198	HELB engineering statistics
PROD00018199	4/7/2010 PINGP Calculation re: Turbine building helb output – 45.7in mslb
PROD00018200	New Document Request Form re Turbine building HELB output – 45.7in MSLB
PROD00018201	temperature graph

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PROD00018202	4/7/2010 Report re: turbine building HELB output
PROD00018203	Report re: turbine building HELB output
PROD00018204	Engineering calculations
PROD00018205	Engineering calculations
PROD00018206	Engineering calculations
PROD00018207	Engineering calculations
PROD00018208	4/26/2010 report re: HELB output in the turbine building
PROD00018209	4/26/2010 report re: HELB output in the turbine building
PROD00018210	Calculation signature sheet re: HELB output in the turbine building
PROD00018211	Calculation signature sheet re: HELB output in the turbine building
PROD00018212	calculation signature sheet re: HELB output in the turbine building
PROD00018213	New document request form re: HELB output in the turbine building
PROD00018214	New document request form re: HELB output in the turbine building
PROD00018215	4/26/2010 report re: HELB output in the turbine building
PROD00018216	5/6/2010 report re: HELB output in the turbine building
PROD00018217	4/22/2010 Xcel new document request form and HELB interactions in the turbine building
PROD00018218	Xcel new document request form and HELB flooding interactions in the turbine building
PROD00018219	5/6/2010 Calculation report re: HELB flooding interactions in the turbine building
PROD00018220	4/22/2010 Xcel new document request form and HELB flooding interactions in the turbine building
PROD00018221	Xcel new document request form and HELB flooding interactions in the turbine building
PROD00018222	Calculation Signature Sheet re Determination of HELB / Flooding interactions in the turbine building rev 1
PROD00018223	Report and chart re: HELB flooding interactions in the turbine building
PROD00018224	Report and charts re: HELB flooding interactions in the turbine building
PROD00018225	6/1/2010 Calculations Signature Sheet re: HELB flooding interactions in the turbine building
PROD00018226	5/26/2010 Calculations Report re: HELB flooding interactions in the turbine building
PROD00018227	5/26/2010 Calculations Report re: HELB flooding interactions in the turbine building
PROD00018228	Report/chart re: HELB flooding interactions in the turbine building
PROD00018229	5/26/2010 Calculation report re: HELB flooding interactions in the turbine building
PROD00018230	Xcel calculation signature sheet re: HELB flooding interactions in the turbine building
PROD00018231	5/21/2010 Xcel design review comment form re: HELB flooding interactions in the turbine building
PROD00018232	Xcel calculation signature sheet re: HELB flooding interactions in the turbine building
PROD00018233	5/21/2010 Design review comment form re: HELB flooding interactions in the turbine building
PROD00018234	Turbine and HELB flooding interactions chart
PROD00018235	Turbine and HELB flooding interactions chart
PROD00018236	Turbine engineering statistics
PROD00018237	Turbine engineering statistics

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PROD00018238	Turbine engineering statistics
PROD00018239	HELB engineering chart
PROD00018240	3/2/2010 PINGP Calculation re Composite Environmental Profiles for turbine building helb scenarios
PROD00018241	4/26/2010 HELB engineering graphs
PROD00018242	4/26/2010 HELB engineering graphs
PROD00018243	4/26/2010 HELB engineering graphs
PROD00018244	4/26/2010 HELB engineering graphs
PROD00018245	HELB and turbine statistics chart
PROD00018246	3/20/2010 report re: composite environmental profiles for turbine building HELB scenarios
PROD00018247	HELB engineering statistics
PROD00018248	chart listing nothing but 'MS SYSLINE' and other specs?
PROD00018249	3/13/2009 report from Advent Engineering Services re: Auxiliary building fire protection
PROD00018250	11/16/2009 Design Input Consultation Form re EC Number : 14668 / Cold Chemistry Laboratory Sample Cooling System
PROD00018251	7/9/2009 Design Input Consultation Form re: HELB and the cooling system
PROD00018252	7/9/2009 Design Input Consultation Form re: HELB and cooling system
PROD00018253	11/16/2009 Design Input Consultation Form re: HELB and the cold chemistry laboratory sample cooling system
PROD00018254	11/16/2009 Design Input Consultation Form re: HELB and the cold chemistry laboratory sample cooling system
PROD00018255	Chart listing turbine and line break information
PROD00018256	random references to pipes and door gaps
PROD00018257	report and discussion of HELB consequences
PROD00018258	report re: Piping specifications and equipment
PROD00018259	Equipment Module
PROD00018260	Report on results re: PINGP USAR section 1.12.1-HELBs?
PROD00018261	Report on results re: ANSI/ANS-58.2-1988
PROD00018262	Report and graphs on pressure/temperature versus distance curves
PROD00018263	5/21/1999 report from Automated Engineering Services Co re: NSP Prairie Island Nuclear Plant and HELB and calculation verification checklists
PROD00018264	5/21/1999 report from Automated Engineering Services Co re: NSP Prairie Island Nuclear Plant and HELB
PROD00018265	5/23/1999 AES calculations Pi-M-003
PROD00018266	174 drafts of Xcel Energy Calculation Signature Sheets re: HELB analysis
PROD00018267	questions related to the use of Gothic software for HELB analysis
PROD00018268	HELB OBNs re: rooms affected by HELB environment
PROD00018269	HELB project update re: leakage and turbine calculations
PROD00018270	HELB project update re: leakage and turbine calculations
PROD00018271	blueprints and designs

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PROD00018272	9/29/2008 letter from Nuclear Management Co to Prairie Island re: Unanalyzed condition due to both trains of component cooling being susceptible to a postulated HELB
PROD00018273	11/19/2009 Fedex receipt from Linda Hall Library document services
PROD00018274	List of HELB status and major HELB issues
PROD00018275	MS break sizes
PROD00018276	1/1/2008 report prepared by Numerical Applications Inc for the Electric Power Research Institute re: methods and guidelines for PWR modeling with Gothic
PROD00018277	6/4/1999 internal memo from Cliff Bonneau to Dave Rothrock re: NRC log of contact and need for NRC review of Gothic
PROD00018278	blueprint/diagram
PROD00018279	temperature graph
PROD00018280	4/1/1993 report by Halliburton Corp re: power plant examination and risk assessment and pipe failure study update
PROD00018281	Turbine Bldg HELB Analysis Closeout
PROD00018282	List of calculations related to Turbine Building HELB Analysis
PROD00018283	Auxiliary Building Steel Area Spreadsheet
PROD00018284	Area 1J3 Condenser Turbine Pit elevation 679'-0" Unit 2 Spreadsheet
PROD00018285	Area 1J1 Condenser Turbine Pit elevation 679'-0" Unit 2 Spreadsheet
PROD00018286	3/21/2001 General Computation Sheet: Auxiliary Building HELB Surface Areas & Flow Paths
PROD00018287	3/13/2001 General Computation Sheet: Turbine Building HELB Compartment Volumes
PROD00018288	3/22/2001 General Computation Sheet: Turbine Building HELB Surface Areas & Flow Paths
PROD00018289	HELB Calculation Status
PROD00018290	Turbine Building Metal Surface Elev. 695 Spreadsheet
PROD00018291	Auxiliary Building Steel Area Spreadsheet
PROD00018292	Area 1J3 Condenser Turbine Pit elevation 679'-0" Unit 2 Surface Area Summary Spreadsheet
PROD00018293	Area 1J3 Condenser Turbine Pit elevation 679'-0" Unit 2 Surface Area Summary Spreadsheet
PROD00018294	3/21/2001 General Computation Sheet: Auxiliary Building HELB Surface Areas & Flow Paths
PROD00018295	3/13/2001 General Computation Sheet: Turbine Building HELB Compartment Volumes
PROD00018296	3/22/2001 General Computation Sheet: Turbine Building HELB Surface Areas & Flow Paths
PROD00018297	HELB Calculation Status
PROD00018298	Turbine Building Metal Surface Elev. 695 Spreadsheet
PROD00018299	Inertia Length Sensitivity Study
PROD00018300	8/29/2008 Mass and Energy Release Impact on the GOTHIC HELB Analysis: Sensitivity Study, prepared by G. Hostetter, Advent Engineering Services
PROD00018301	4/11/2008 Review of Aux Turbine Building HELB Calculations, prepared by Advent Engineering Services

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PROD00018302	6/17/2008 Auxiliary / Fuel Handling Building Blow-It / Blow-Out Girt Panels & Galvanized Siding Panels, prepared by Advent Engineering Services
PROD00018303	5/21/2008 Auxiliary / Fuel Handling Building Blow-In / Blow-Out Panels & Galvanized Siding, prepared by Advent Engineering Services
PROD00018304	6/17/2008 Turbine Building Blow-In / Blow-Out Girt Panels & Galvanized Siding Blow-Out Panels, prepared by Advent Engineering Services
PROD00018305	11/17/2008 PINGP Calculation: Determination of Number of High Energy Pipe Sections Affective Turbine Building CC Piping Using EPRI Methodology
PROD00018306	11/13/2008 NRC Question Response Form re potential loss of redundant safety-related equipment in the event of HELB
PROD00018307	12/11/2000 USNRC: NRC Information Notice 2000-20: Potential Loss of Redundant Safety-Related Equipment Because of the Lack of High-Energy Line Break Barriers
PROD00018308	USAR Appendix I Review: I.5.5 Flooding
PROD00018309	SE #478-AI-03: USAR Appendix I - Pipe Stress and Pipe Whip
PROD00018310	3/8/2010 NRC Question Response Form
PROD00018311	CC/HELB piping dated to support BRC - Significant Determination Process
PROD00018312	11/17/2008 PINGP Calculation: Determination of Number of High Energy Pipe Sections Affecting Turbine Bldg CC Piping Using EPRI Methodology
PROD00018313	3/26/2009 NRC Question Response Form: re operations insights of the operation history of the De-aerating Steam Line
PROD00018314	3/23/2009 NRC Question Response Form: re insights into the operation history of the De-aerating Steam Line
PROD00018315	1/28/2009 NRC Question Response Form: re length and diameter of CC piping and other pipes
PROD00018316	3/13/2009 NRC Question Response Form: re length and diameter of CC piping and other pipes, Rev. 2
PROD00018317	11/6/2008 NRC Question Response Form: re length and diameter of CC piping and other pipes
PROD00018318	3/9/2010 NRC Question Response Form: re CL-HELB interaction
PROD00018319	3/8/2010 NRC Question Response Form: re CL-HELB interaction
PROD00018320	11/13/2008 NRC Question Response Form: re request for numerous documents
PROD00018321	11/19/2008 NRC Question Response Form: re compartment pressure values between SE-1039 & calc PI-S-031
PROD00018322	6/18/2009 NRC Question Response Form: re site's response to NRC Generic Letter GL 87-11
PROD00018323	1/27/2009 NRC Question Response Form: re length and diameter of CC piping and other pipes, Revision 1
PROD00018324	3/12/2009 NRC Question Response Form: re length and diameter of CC piping and other pipes, Revision 2
PROD00018325	4/17/2010 NRC Question Response Form: status of EXs 9060 & 9071
PROD00018326	11/17/2008 NRC Question Response Form: request for numerous documents
PROD00018327	12/19/2008 NRC Question Response Form: Unit 2 HELB and adequate NPSH at Unit 1 CC pump
PROD00018328	Turbine Building CC / HELB interaction issue
PROD00018329	Spreadsheet re total flood rate and net flow rate into TB: Bat room U2 to U1

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PROD00018330	Spreadsheet re total flood rate and net flow rate into TB: D1-D2 with wier
PROD00018331	Spreadsheet re total flood rate and net flow rate into TB: D1-D2 with wier - CL stop
PROD00018332	Spreadsheet re total flood rate and net flow rate into TB: D1-D2 with wier - CL Stop, new flowrates
PROD00018333	Spreadsheet re total flood rate and net flow rate into TB: D1-D2 with wier - FP stop
PROD00018334	Spreadsheet re total flood rate and net flow rate into TB: D1-D2 with wier - FP stop - new flowrates
PROD00018335	Operability Recommendation: re missing analysis for flooding impacting safety related equipment in the Turbine Building
PROD00018336	Spreadsheet re total flood rate and net flow rate into TB: Revision 1
PROD00018337	Operability Recommendation: re no design basis evaluation of the effects of flooding due to a HELB in the turbine building has been performed by the site at this time
PROD00018338	Operability Recommendation: re missing analysis for flooding impacting safety related equipment in the Turbine Building, Revision 1
PROD00018339	Operability Recommendation: re missing analysis for flooding impacting safety related equipment in the Turbine Building
PROD00018340	Spreadsheet screenshot re Flow from systems in Diesel D1 & D2 Room, Revision 1
PROD00018341	Screenshot of spreadsheet re Total Flood Rate in Diesel D1 & D2 Room
PROD00018342	Photo Related to CC/HELB White Finding
PROD00018343	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, Test 2
PROD00018344	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, Test
PROD00018345	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, Test
PROD00018346	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, Unit 2 with wier
PROD00018347	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, Unit 2 with wier - New CL Stop
PROD00018348	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, Unit 2 with wier - New FP stop
PROD00018349	Spreadsheet re Total Flow Rate and Net Flow Rate Into TB, weir - updated with new openings
PROD00018350	Discussion related to whether the Component Cooling system is required to be available post-HELB
PROD00018351	Discussion related to whether the Component Cooling system is required to be available post-HELB
PROD00018352	Potter-wall thickness evaluation
PROD00018353	Plant Safety Procedures: High Energy Line Break/Line, Revised
PROD00018354	Photo Related to CC/HELB White Finding
PROD00018355	HELB Reconstitution Project Outline
PROD00018356	Point Beach Nuclear Plant HELB Reconstitution Program High Energy Line Break Document Review
PROD00018357	HELB Reconstitution Project Outline
PROD00018358	Point Beach Nuclear Plant: HELB Reconstitution Program: High Energy Line Break Document Review, Revision 1
PROD00018359	Prairie Island Nuclear Plant: HELB Reconstitution Program: High Energy Line Break Document Review, correlation

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PROD00018360	2/17/2009 Design Review Comment Form re EC15656 / Eval of Flooding Times and flow rates associated with U1 and U2 TB for SDP
PROD00018361	2/18/2009 Design Review Comment Form re EC15657 / Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00018362	Spreadsheet re Q.submerged
PROD00018363	Spreadsheet re Q.submerged new
PROD00018364	Calculation ENG-ME-732, Attachment 1
PROD00018365	2/17/2009 EC 15656 Evaluation of Flooding Times and Flow Rates Associated with Unit 1 and Unit 2 TB for Significance Determination
PROD00018366	Unit 1 & 2 Door 45 closed, Attachment 4
PROD00018367	Unit 1 Door Closed, Attachment 2
PROD00018368	Unit 2, Attachment 3
PROD00018369	2/17/2009 Design Review Comment Form: Eval of Flooding Times and flow rates associated with U1 and U2 TB for SDP
PROD00018370	Unit 2, EC 15657, Attachment 1
PROD00018371	3/16/2010 File Comparison: C:\Potter SDP to Pre- April\Feedwater Runs\2D4\h1-2d4 / E:\HELB\Turbine Building base model (ENG-ME-708 Rev 0)\A1-1D1.GTH
PROD00018372	3/16/2010 Differences tables I1-2d4 to A1-1d1
PROD00018373	3/16/2010 Differences Tables a2-1j3 to A1-1d1
PROD00018374	3/16/2010 Differences Tables B2-1j3 to A1-1d1
PROD00018375	3/16/2010 Differences Tables C2-2h4 to A1-1d1
PROD00018376	3/16/2010 Differences Tables D2-1j1 to A1-1d1
PROD00018377	3/16/2010 Differences Tables E2-1j1 to A1-1d1
PROD00018378	3/16/2010 Differences Tables F2-1j1 to A1-1d1
PROD00018379	3/16/2010 Differences Tables G2-1j1 to A1-1d1
PROD00018380	3/16/2010 Differences Tables H2-2h4 to A1-1d1
PROD00018381	EC 15657: Summary Table
PROD00018382	3/16/2010 Differences Tables I2-1j1 to A1-1d1
PROD00018383	3/16/2010 Differences Tables from Model a1-1d1 to TB-Base
PROD00018384	3/16/2010 Differences Tables from B1-1d1 to A1-1d1
PROD00018385	3/16/2010 Differences Tables C1-1d1 to A1-1d1
PROD00018386	3/16/2010 Differences Table D1-1d1 to A1-1d1
PROD00018387	3/16/2010 Differences Table E1-1d1 to A1-1d1
PROD00018388	3/16/2010 Differences Table F1-2d4 to A1-1d1
PROD00018389	3/16/2010 Differences Tables G1-2D4- to A1-1d1

Document Number	Description
PROD00018390	2/18/2009 Design Review Comment Form re EC15657 / Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00018391	3/12/2010 EC Number: 15657: Evaluation of FW and Condensate HELB Affects for Sprinkler Initiation for SDP
PROD00018392	3/12/2010 EC Number 15657: Evaluation of FW and Condensate HELB Affects for Sprinkler Initiation for SDP
PROD00018393	EC 15657 Summary Table
PROD00018394	5/21/2010 GOTHIC Differences tables from H1-2D4 to A1-1d1
PROD00018395	5/21/2010 GOTHIC Differences tables from I1-1D1 to A1-1d1
PROD00018396	5/21/2010 GOTHIC Differences tables from A2-1J3 to A1-1d1
PROD00018397	5/21/2010 GOTHIC Differences tables from A2-1J3 to A1-1d1
PROD00018398	5/21/2010 GOTHIC Differences tables from C2-2H4 to A1-1d1
PROD00018399	5/21/2010 GOTHIC Differences tables from D2-1J1 to A1-1d1
PROD00018400	5/21/2010 GOTHIC Differences tables from E2-1J1 to A1-1d1
PROD00018401	5/21/2010 GOTHIC Differences tables from F2-1J1 to A1-1d1
PROD00018402	5/21/2010 GOTHIC Differences tables from G2-2H4 to A1-1d1
PROD00018403	5/21/2010 GOTHIC Differences tables from H2-2H4 to A1-1d1
PROD00018404	EC 15657, Rev. 1, Attachment 2: Numeric Output of All Runs
PROD00018405	5/21/2010 GOTHIC Differences tables from I2-1J1 to A1-1d1
PROD00018406	5/21/2010 GOTHIC Differences tables from A1-1D1 to Model TB-base
PROD00018407	5/21/2010 GOTHIC Differences tables from B1-1D1 to A1-1d1
PROD00018408	5/21/2010 GOTHIC Differences tables from c1-1D1 to A1-1d1
PROD00018409	5/21/2010 GOTHIC Differences tables from D1-1D1 to A1-1d1
PROD00018410	5/21/2010 GOTHIC Differences Tables from e1-1D1 to A1-1d1
PROD00018411	5/21/2010 GOTHIC Differences tables from F1-2D4 to A1-1d1
PROD00018412	5/21/2010 GOTHIC Differences tables from G1-2D4 to A1-1d1
PROD00018413	5/21/2010 EC Number 15657, Rev. 1: Evaluation of FW and Condensate HELB Affects for Sprinkler Initiation for SDP
PROD00018414	EC 15657, Attachment 1: Pipe Length Determination
PROD00018415	5/21/2010 GOTHIC Differences tables from H1-2D4 to A1-1d1
PROD00018416	5/21/2010 GOTHIC Differences tables from I1-1D1 to A1-1d1
PROD00018417	5/21/2010 GOTHIC Differences tables from A2-1J3 to A1-1d1
PROD00018418	5/21/2010 GOTHIC Differences tables from A2-1J3 to A1-1d1
PROD00018419	5/21/2010 GOTHIC Differences tables from C2-2H4 to A1-1d1
PROD00018420	5/21/2010 GOTHIC Differences tables from D2-1J1 to A1-1d1
PROD00018421	5/21/2010 GOTHIC Differences tables from E2-1J1 to A1-1d1
PROD00018422	5/21/2010 GOTHIC Differences tables from F2-1J1 to A1-1d1
PROD00018423	5/21/2010 GOTHIC Differences tables from G2-2H4 to A1-1d1

Document Number	Description
PROD00018424	5/21/2010 GOTHIC Differences tables from H2-2H4 to A1-1d1
PROD00018425	5/20/2010 EC 15657, Rev. 1: Numeric Output of All Runs
PROD00018426	5/21/2010 GOTHIC Differences tables from I2-1J1 to A1-1d1
PROD00018427	5/21/2010 GOTHIC Differences tables from A1-1D1 to Model TB-base
PROD00018428	5/21/2010 GOTHIC Differences tables from B1-1D1 to A1-1d1
PROD00018429	5/21/2010 GOTHIC Differences tables from c1-1D1 to A1-1d1
PROD00018430	5/21/2010 GOTHIC Differences tables from D1-1D1 to A1-1d1
PROD00018431	5/21/2010 GOTHIC Differences tables from e1-1D1 to A1-1d1
PROD00018432	5/21/2010 GOTHIC Differences tables from F1-2D4 to A1-1d1
PROD00018433	5/21/2010 GOTHIC Differences tables from G1-2D4 to A1-1d1
PROD00018434	5/21/2010 EC Number 15657, Rev. 1: Evaluation of FW and Condensate HELB Affects for Sprinkler Initiation for SDP
PROD00018435	5/21/2010 Design Review Comment Form: EC 15657 / Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00018436	5/21/2010 Design Review Comment Form: EC15657 / Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00018437	5/21/2010 EC Number 15657, Rev. 1: Evaluation of FW and Condensate HELB Affects for Sprinkler Initiation for SDP
PROD00018438	EC 15657, Rev. 1, Attachment 2: New FW runs
PROD00018439	5/21/2010 Design Review Comment Form: EC15657 / Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP, Revision 1
PROD00018440	5/21/2010 Design Review Comment Form: EC15657 / Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP, Revision 1
PROD00018441	EC-15758, Attachment 1
PROD00018442	EC-15758, Attachment 1
PROD00018443	Bleed steam
PROD00018444	3/22/2010 GOTHIC Differences tables from 0A-1D1 to 44P
PROD00018445	3/9/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Final
PROD00018446	3/9/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Review
PROD00018447	3/9/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00018448	3/9/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP

Document Number	Description
PROD00018449	Engineering Document Signature Sheet: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00018450	Engineering Document Signature Sheet: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00018451	3/22/2010 GOTHIC Differences tables from 0A-1D1 to 44P
PROD00018452	EC15758, Attachment 3 Spreadsheet
PROD00018453	EC15758, Attachment 3 Spreadsheet
PROD00018454	3/22/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 1 Final
PROD00018455	3/22/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 1
PROD00018456	3/22/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 1
PROD00018457	EC15758 - BL Evaluation, Revision 1: Numbers
PROD00018458	3/22/2010 Design Review Comment Form: EC15758: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00018459	3/22/2010 Design Review Comment Form: EC15758 "Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP," Revision 1
PROD00018460	3/22/2010 Design Review Comment Form: EC15758 "Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP," Revision 1, Signed
PROD00018461	3/22/2010 Engineering Document Signature Sheet: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 1
PROD00018462	Engineering Document Signature Sheet: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 1
PROD00018463	3/22/2010 Engineering Document Signature Sheet: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 1, Signed
PROD00018464	6/3/2010 PINGP Calculation re evaluation of bleed steam break peak temperature for helb-flood sdp
PROD00018465	6/3/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 2
PROD00018466	6/3/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 2
PROD00018467	6/3/2010 PINGP Engineering Evaluation: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP, Revision 2
PROD00018468	3/22/2010 Design Review Comment Form: EC 15758 "Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP," Revision 1
PROD00018469	EC-15758, Attachment 1, Revision 2

Document Number	Description
PROD00018470	EC15758, Attachment 3, Revision 2
PROD00018471	Spreadsheet on EC15768, Attachment 5, Revision 2
PROD00018472	6/3/2010 File Comparison 0073MS2D4-W to EC15758, Attachment 2, Revision 2
PROD00018473	Spreadsheet on EC15758, Attachment 3, Revision 2
PROD00018474	Spreadsheet on EC15758, Attachment 3, Revision 2
PROD00018475	6/3/2010 File Comparison EC15758R, Attachment 4, Revision 2
PROD00018476	Spreadsheet on EC15768, Attachment 5, Revision 2
PROD00018477	Spreadsheet related to EC15766 - Attachment 5
PROD00018478	3/12/2010 - Engineering Document Signature Sheet (Multiple Documents) related to EC15758
PROD00018479	Photo Related to CC/HELB White Finding
PROD00018480	Graphs & Spreadsheet related to EC15827 - Attachment 1
PROD00018481	Graphs & Spreadsheet related to EC15827 - Attachment 2
PROD00018482	Untitled Report related to Flows from the Fire Protection System as a Result of HELB Events
PROD00018483	4/13/2010 - Design Review Comment Form - EC16000 / Eval of Flooding Times and Flow Rates Prior to April 2009 with Doors 47 and 419 Open
PROD00018484	Graphs & Spreadsheet related to EC16000 - Unit 2 - Attachment 2
PROD00018485	Graphs & Spreadsheet related to EC16000 - Unit 2 - Attachment 2
PROD00018486	4/13/2010 - File Comparison Indicating Differences related to EC16000
PROD00018487	4/13/2010 - File Comparison Indicating Differences related to EC16000
PROD00018488	4/13/2010 - File Comparison Indicating Differences related to EC16000
PROD00018489	4/13/2010 - File Comparison Indicating Differences related to EC16000
PROD00018490	4/13/2010 - EC16000 Report - Evaluation of Flooding Times and Flow Rates Prior to April 2009 with Doors 47 and 419 Open
PROD00018491	4/13/2010 - Design Review Comment Form - EC16000 / Eval of Flooding Times and Flow Rates Prior to April 2009 with Doors 47 and 419 Open
PROD00018492	Graphs & Spreadsheet related to EC16000 - Unit 1 Door Open - Attachment 1
PROD00018493	Graphs & Spreadsheet related to EC16000
PROD00018494	3/13/2010 - EC16001 - Evaluation of HELB Effects From Heater Drain piping for Significance Determination - Includes Handwritten Notes
PROD00018495	Spreadsheet related to EC16001 - Attachment 1
PROD00018496	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018497	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018498	Chart related to EC16001 - Attachment 2
PROD00018499	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018500	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018501	4/13/2010 - File Comparison Indicating Differences related to EC16001

Document Number	Description
PROD00018502	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018503	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018504	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018505	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018506	4/13/2010 - File Comparison Indicating Differences related to EC16001
PROD00018507	4/20/2010 Design Review Comment Form re EC16001 / Evaluation of HELB Effects from Heater Drain Piping for Significance Determination
PROD00018508	Calculation ENG-ME-732 - Attachment 1 - Turbine Building HELB / Flooding Interactions
PROD00018509	3/13/2010 - EC16001 - Evaluation of HELB Effects From Heater Drain Piping For Significance Determination
PROD00018510	4/20/2010 - Design Review Comment Form - EC16001 / Evaluation of HELB Effects from Heater Drain Piping for Significance Determination
PROD00018511	4/16/2010 - File Comparison Indicating Differences related to EC16007
PROD00018512	4/16/2010 - File Comparison Indicating Differences related to EC16007
PROD00018513	4/16/2010 - File Comparison Indicating Differences related to EC16007
PROD00018514	4/16/2010 - File Comparison Indicating Differences related to EC16007
PROD00018515	Graphs & Spreadsheet related to EC16007 - Attachment 5
PROD00018516	Graphs & Spreadsheet related to EC16007 - Attachment 6
PROD00018517	Graphs & Spreadsheet related to EC16007 - Attachment 6
PROD00018518	Graphs & Spreadsheet related to EC16007 - Attachment 6
PROD00018519	4/17/2010 PINGP re evaluation of turbine building flooding results to support nrc ler
PROD00018520	4/17/2010 - PINGP Engineering Evaluation - EC16007 - Evaluation of Turbine Building Flooding Results to Support NRC LER
PROD00018521	4/17/2010 - PINGP Engineering Evaluation - EC16007 - Evaluation of Turbine Building Flooding Results to Support NRC LER
PROD00018522	4/14/2010 - PINGP Turbine Building Flooding Analysis Model (U2)
PROD00018523	4/14/2010 - PINGP Turbine Building Flooding Analysis Model (U2)
PROD00018524	4/14/2010 - PINGP Turbine Building Flooding Analysis Model (U2)
PROD00018525	4/14/2010 - PINGP Turbine Building Flooding Analysis Model (U2)
PROD00018526	4/15/2010 - File Comparison Indicating Differences related to EC16007
PROD00018527	4/15/2010 - File Comparison Indicating Differences related to EC16007
PROD00018528	4/15/2010 PINGP Calculation re evaluation of turbine building flooding results using inputs run on the simulator
PROD00018529	Graphs & Spreadsheet - potter - Attachment 5 - U1-output - Attachment 2
PROD00018530	4/15/2010 - List related to EC16007
PROD00018531	4/15/2010 - List related to EC16007
PROD00018532	4/20/2010 - Design Review Comment Form - EC16007 / Evaluation of Turbine Building Flooding Results to Support NRC LER

Document Number	Description
PROD00018533	4/16/2010 - List related to EC16007
PROD00018534	4/16/2010 - List Related to EC16007
PROD00018535	Spreadsheet - Control Volumes, Laminar Leakage, Turbulent Leakage, Fluid Boundary Conditions, et al
PROD00018536	Spreadsheet - Control Volumes, Laminar Leakage, Turbulent Leakage, Fluid Boundary Conditions, et al
PROD00018537	4/16/2010 List related to EC16007
PROD00018538	4/16/2010 - List related to EC16007
PROD00018539	Spreadsheet - Control Volumes, Laminar Leakage, Turbulent Leakage, Fluid Boundary Conditions, et al
PROD00018540	Spreadsheet - Control Volumes, Laminar Leakage, Turbulent Leakage, Fluid Boundary Conditions, et al
PROD00018541	4/20/2010 - Design Review Comment Form - EC16032 / Internal Flood Evaluation for 4/18/2010 Screen Door Closing Event
PROD00018542	Report & Graph - EC16032 - Internal Flood Evaluation For 4/18/2010 Screen Door Closing Event
PROD00018543	4/20/2010 - Design Review Comment Form - EC16032 / Internal Flood Evaluation for 4/18/2010 Screen Door Closing Event
PROD00018544	4/20/2010 - EC16032 - Internal Flood Evaluation For 4/18/2010 Screen Door Closing Event
PROD00018545	Graph & Spreadsheet - EC16032 - Run 31aLER Water Treatment
PROD00018546	4/20/2010 Design Review Comment Form - EC16032 / Internal Flood Evaluation for 04/18/2010 Screen Door Closing Event
PROD00018547	Graphs - Run 31a LER 04182010 - Water Treatment Area (D1/D2 Flood Wall Limit) & Run 31a LER 04182010 - Battery Room
PROD00018548	5/12/2010 Design Review Comment Form - EC-16153 / 30,000 GPM Flooding Eval in Pre-April 2009 Config for SDP
PROD00018549	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018550	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018551	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018552	Spreadsheet - EC16269 - Attachment 12 - Pages 1-30 of 30
PROD00018553	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018554	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018555	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018556	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018557	Spreadsheet - EC16269 - Pages 1-26 of 26
PROD00018558	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018559	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018560	6/1/2010 - File Comparison indicating Differences related to EC16269
PROD00018561	Spreadsheet - EC16269 - Attachment 12
PROD00018562	Spreadsheet - EC 16269 - Attachment 6 - Pages 1-63 of 1584
PROD00018563	6/3/2010 Design Review Comment Form- Temperatures of Habitability Times Alter Breaks for HELB- Flood

Document Number	Description
PROD00018564	6/2/2010 PING Engineering Evaluation Determination of Temps and Habitability Times After MS Breaks For HELB- Flood SDP
PROD00018565	6/2/2010 PING Engineering Evaluation Determination of Temps and Habitability Times After MS Breaks For HELB- Flood SDP
PROD00018566	Chart regarding Variables and Habitability and Max Temp
PROD00018567	Chart regarding Variables and Habitability and Max Temp
PROD00018568	6/2/2010 PING Engineering Evaluation Determination of Temps and Habitability Times After MS Breaks For HELB- Flood SDP
PROD00018569	6/2/2010 PING Engineering Evaluation Determination of Temps and Habitability Times After MS Breaks For HELB- Flood SDP
PROD00018570	5/31/2010 Chart retarding HELB Breaks
PROD00018571	5/3/2010 HELB Breaks Chart
PROD00018572	5/31/2010 HELB Break Chart
PROD00018573	5/31/2010 chart regarding temperature, habitability GOTHIC
PROD00018574	5/31/2010 chart regarding temperature, habitability GOTHIC
PROD00018575	5/31/2010 chart regarding temperature, habitability GOTHIC
PROD00018576	5/31/2010 chart regarding temperature, habitability, HELB, GOTHIC
PROD00018577	5/31/2010 chart regarding temperature, habitability, HELB, GOTHIC
PROD00018578	5/31/2010 chart regarding temperature, habitability, HELB, GOTHIC
PROD00018579	5/31/2010 chart regarding temperature, habitability, HELB, GOTHIC
PROD00018580	5/31/2010 chart regarding temperature, habitability, HELB, GOTHIC
PROD00018581	5/31/2010 chart regarding temperature, habitability, HELB, GOTHIC
PROD00018582	Attachment chart regarding temperature, habitability, HELB, GOTHIC
PROD00018583	Attachment chart regarding temperature, habitability, HELB, GOTHIC
PROD00018584	5/31/2010 PING Engineering Evaluation Determination of Temps and Habitability Times After MS Breaks For HELB- Flood SDP
PROD00018585	6/2/2010 Screening of Pipe Whip Interactions for SDP
PROD00018586	6/2/2010 Screening of Pipe Whip Interactions for SDP
PROD00018587	6/2/2010 Screening of Pipe Whip Interactions for SDP
PROD00018588	6/2/2010 Screening of Pipe Whip Interactions for SDP
PROD00018589	Saturated H2O Properties chart
PROD00018590	6/2/2010 Screening of Pipe Whip Interactions for SDP
PROD00018591	Saturated H2O Properties Chart
PROD00018592	6/2/2010 Design Review Comment Form Screening of Pipe Whip Interactions for SDP
PROD00018593	Turbine Building/ HELB Flooding Interactions Chart
PROD00018594	2010 Screening of Pipe Whip Interactions for SDP

Document Number	Description
PROD00018595	6/2/2010 Gothic file comparison
PROD00018596	6/2/2010 Gothic file comparison
PROD00018597	6/2/2010 Gothic file comparison
PROD00018598	6/2/2010 Gothic file comparison
PROD00018599	6/2/2010 Gothic file comparison
PROD00018600	6/2/2010 Gothic file comparison
PROD00018601	Run 25K U1 Save TDAFP-Battery Room
PROD00018602	Unit 2 26274 TADFW survive Battery Room/ Auxiliary Feedwater Pump Room/
PROD00018603	6/2/2010 GPM Flooding Evaluation in Pre-April 2009 Configuration for SDP
PROD00018604	6/2/2010 Design Review Comment Form GPM Flooding Eval in Pre-April 2009 Configuration for SDP
PROD00018605	2/17/2009 Evaluation of Flooding Times and Flow Rates Associated with Unit 1 and Unit 2 TB for Significance Determination
PROD00018606	U2 Turbine Building map
PROD00018607	5/17/2010 email from R. Rohrer to B. Slack regarding PINGP Turbine Flooding Performance Deficiency
PROD00018608	4/28/2010 Impact of Turbine Building Internal Flooding on Safety-Related Equipment
PROD00018609	HELB/ Flooding SDP- results document
PROD00018610	temps and habitability measurement chart
PROD00018611	Reactor Building Diagram
PROD00018612	Reactor Building Diagram
PROD00018613	Turbine Building Steam Exclusion Area-A Train
PROD00018614	1/15/2010 Calculation Signature Sheet - Determination of HELB/ Flooding Interactions in the turbine building
PROD00018615	4/1/2010 Calculation Signature Sheet regarding Turbine building Gothic Model for HELB
PROD00018616	3/2/2010 Calculation Signature Sheet - Determination of Habitability Time in Turbine Building after HELB Scenarios that cause Flooding
PROD00018617	Turbine Building Floor Plan
PROD00018618	2/8/2010 data of door measurements chart
PROD00018619	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018620	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018621	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018622	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018623	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018624	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018625	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018626	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018627	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018628	2/16/2010 chart regarding model for flooding pre-April Gothic

Document Number	Description
PROD00018629	Run 44 Battery Room / Run 44 Auxiliary Feedwater Pump Room
PROD00018630	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018631	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018632	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018633	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018634	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018635	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018636	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018637	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018638	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018639	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018640	Run 44 Battery Room / Run 44 Auxiliary Feedwater Pump Room
PROD00018641	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018642	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018643	Volume Descriptions from ENG-ME-759 Gothic Volume Number and Physical Description
PROD00018644	Run 4b Battery Room / Run 4b Auxiliary Feedwater Pump Room
PROD00018645	Run 33a- Battery Room / Run 33a Auxiliary Feedwater Pump Room, Run 35, 32, etc.
PROD00018646	Run 32b-Battery Room / Auxiliary Feedwater Pump Room, 33, etc.
PROD00018647	2/15/2010 chart regarding model for flooding pre-April Gothic
PROD00018648	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018649	2/16/2010 chart regarding model for flooding pre-April Gothic
PROD00018650	Pressure/ Distance from Crack graph and chart
PROD00018651	Distance from Crack graph and chart
PROD00018652	Distance from Crack graph and major axis minor axis chart
PROD00018653	Floor Water Level graph and chart
PROD00018654	Temperature/ Degree chart/ Saturated H2O Properties
PROD00018655	Floor Water Level Graph
PROD00018656	Floor Water Level Graph
PROD00018657	Floor Water Level Graph
PROD00018658	3/12/2009 Prairie Island Turbine Building 695 Elevation HELB Temperature & Relative Humidity Sensitivity Study
PROD00018659	Turbine Building Blow-in / Blow out Girt Panels & Galvanized Siding Blow-out Panels
PROD00018660	Review of AES Turbine Building HELB Calculations
PROD00018661	Review of AES Turbine Building HELB Calculations
PROD00018662	numerical chart
PROD00018663	numerical chart

Document Number	Description
PROD00018664	Errors identified in 800 calculation, for inclusion in next revision; questions/ comments;
PROD00018665	Thermal Conductor Thickness Sensitivity in GOTHIC
PROD00018666	1970 - Turbine Room - Blow- In and Blow Out Panels Auxiliary Building File No. 9
PROD00018667	Turbine Building Metal Surface spreadsheet
PROD00018668	4/25/2008 PI Employee Recognition Luncheon invitation for safety excellence
PROD00018669	5/7/2008 Design Description Form Install Permanent Equipment to Supply safeguards to Unit 1 DC System
PROD00018670	6/10/2008 Turbine Building HELB Analysis Request for Phased Approval
PROD00018671	5/21/08 Success Criteria Document Needs/Decisions from PI - Incomplete 5/21/2008 Success Criteria Document Needs/Decisions from PI - Incomplete 5/21/08 - Success Criteria Document Needs/Decisions from PI - Incomplete
PROD00018672	6/2-3-08 PI PRA Upgrade/Update Project 6/2-3-08 PI PRA Upgrade/Update Project 6/2-3-08 PI PRA Upgrade/Update Project 6/2-3/2008 PI PRA Upgrade/Update Project 6/2-3-08 PI PRA Upgrade/Update Project
PROD00018673	7/21/2008 Design Description Form - Install Permanent Equipment to Unit 1 (safeguards for the DC System)
PROD00018674	Design input checklist Part A - Engineering Programs and Departmental Reviews
PROD00018675	Design input checklist Part B - Design Considerations, Requirements and Standards
PROD00018676	Supplemental information for a meeting regarding a discussion of SI pump seal failure criteria
PROD00018677	Design Description Form for Fire Protection Modification Fire Detection Zones D1& Aux Feed Room
PROD00018678	11/12/2008 Letter from MPR Associates to B. Slack - Proposal the transient hydraulic analysis of safety systems and PINGP
PROD00018679	11/12/2008 Letter to B Slack from Automated Engineering Services Corp. Proposal to provide engineering services for the analysis of the RHR and SI pump discharge piping to support PINGP
PROD00018680	HELB line identifications w/drawings
PROD00018681	M. Wadley draft letter to the NRC - 90 day 2R25 Post-Outage Report...Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems
PROD00018682	Enclosure to the M. Wadley draft letter identifying corrective actions taken
PROD00018683	2/9/2009 Project Review Group Meeting. discussing funding for HELB, to duplicate design changes made on Unit #2 installation in 2008 that were not included in the Unit #1 installation
PROD00018684	3/6/2009 - Design description form, to replace auxiliary building ZE piping, FCU Coils, & MS FCUs, to restore cooling system capacity
PROD00018685	3/24/2009 Memo from S. Northard to D. Malek to communicate the status of the turbine building HELB/CC piping to station management
PROD00018686	Ad Hoc PRG meeting re: refueling cavity leakage Unit 1
PROD00018687	Ad Hoc PRG meeting re: refueling cavity leakage Unit 1

Document Number	Description
PROD00018688	chemistry lab component cooling system study July 2009 completed by Sargent & Lundy
PROD00018689	cold chemistry laboratory sample cooling system design verification
PROD00018690	cold chemistry lab sample cooling system modification classification 8/5/2009
PROD00018691	safety/human performance jamboree 1/31/2008
PROD00018692	2/28/2008 email from Steve Schaefer to Henry Hoelscher re: HELB analysis under Heavy Bundle
PROD00018693	8/17/2007 email from Candace Sprout to Brian Slack and others re: Sargent & Lundy HELB and flood analysis activity
PROD00018694	Pre-Outage Training, Revision 3, with comments
PROD00018695	6/10/2008 Request for Phased Approval: Turbine Bldg HELB Analysis
PROD00018696	6/3/2008 Email from S. Northard to numerous Xcel employees re Team Notes and safety issues
PROD00018697	6/3/2008 Email from C. Agan to B. Slack re Steam supply to AFW turbine
PROD00018698	7/31/2008 Email from S. Scott to B. Slack & S. Ford re draft OPR and pressure boundaries for the CC system
PROD00018699	Operability Recommendation: re CC piping in turbine building
PROD00018700	7/30/2008 Email from J. Kivi to S. Scott and others at PINGP re CC in the Turbine Building
PROD00018701	Configuration Management Follow-on Item Assessment: CC Single Failure Analysis Open Issues
PROD00018702	7/29/2008 Email from P. Ognenoff to B. Slack with others cc'd re TEHC Unit 2 Design Input Consultation - HELB
PROD00018703	7/16/2008 Email from M. Husain at Sargent & Lundy to B. Slack with others cc'd re HELB Info for EX 12350 Permanent Battery Test Cable
PROD00018704	Information for HELB Calculations in Regards to EC 12350
PROD00018705	7/16/2008 Email from T. Borgen to PINGP Business Support Organization re Human Performance Issues
PROD00018706	7/15/2008 Email from A. Velaski to PINGP Engineering Department re CAP recognition
PROD00018707	4/28/2006 Administrative Work Instruction: Safety Analysis Reports, Revision 13
PROD00018708	8/11/2008 Project Review Group Meeting Agenda
PROD00018709	Regulatory Correspondence Review & Approval Record: LER 2-08-01, Unit 2 Unanalyzed Condition due to Both Trains Component cooling Susceptible to Turbine Building High Energy Line Break
PROD00018710	9/15/2008 Email from G. Wheelock to S. Ford with others cc'd re Loss of CC affect on RCP seals
PROD00018711	9/7/2008 Email from G. Locklear to B. Rice with B. Slack & R. Peterson cc'd re HELB change
PROD00018712	Long term corrective actions for HELB affecting CC in the Turbine Building
PROD00018713	10/23/2008 Email from M. Milad to J. Donatell with others cc'd re HELB Concerns over EC #1 & EC #2
PROD00018714	7/1981 USNRC Standard Review Plan: Radiological Consequences of a Design Basis Loss-of-Coolant Accident: Leakage from Engineered Safety Feature Components Outside Containment
PROD00018715	2/16/2006 Letter from D. Koehl with NMC to USNRC re NRC Request for Information Relating to Event Notification 42129 with enclosures

Document Number	Description
PROD00018716	10/20/2008 Email from S. Myers to P. Bent and other Excel employees cc: K. Lucken and other Excel employees re Read and sign for Procedure Use and Adherence. re to practice to ensure reliable human performance.
PROD00018717	10/20/2008 Read and Sign Training on Procedure Use and Adherence. re to practices to ensure reliable human performance. Attachment to S. Myers email.
PROD00018718	10/14/2008 Email from C.Sansome to B.Slack Re: ongoing turbine building HELB project
PROD00018719	10/14/2008 Email from C.Sansome to B.Slack Re: ongoing turbine building HELB project
PROD00018720	Date: Unknown. RE: Turbine Room HELB Design Description Form Author M.Milad
PROD00018721	10/03/2008 Email from S.Myers to B.Slack cc S.Ford re: Need to create an HELB program document as an OEE action or as a CAP
PROD00018722	10/02/2008 Email from S,Schaefer to B.Slack re: HELB M&E
PROD00018723	10/02/2008 Email from S. Schaefer to B.Slack re: HELB M&E
PROD00018724	11/18/2003 Letter from E.Mercier to L.Brown re: Prairie Island Turbine Building HELB Analyses
PROD00018725	10/02/2008 Email from S.Schaefer to B.Slack re HELB M&E
PROD00018726	10/27/1999 Report on Structural Evaluation of HELB Steam Exclusion Block Walls and Doors
PROD00018727	11/13/2008 Email from J.Kivi to B.Slack re CC/HELB Issue
PROD00018728	08/11/2000 letter from A.Settlur (ASE Eng) to M.Meyer RE turbine HELB analysis
PROD00018729	08/11/2000 attachment to a letter from A.Settlur (ASE Eng) to M.Meyer RE turbine HELB analysis
PROD00018730	11/04/2008 Email from L.Sueper to J.Anderson re: PI Component Cooling Water HELB Issue update.
PROD00018731	10/31/2008 Email from R.Whitlock to B.Slack cc S.Ford re Request for HELB input help for a fire detectors installation project in D1 and aux Feed Rooms.
PROD00018732	11/20/2008 Email from M.Thompson to B.Slask Re: HELB Impacts
PROD00018733	11/18/2008 Email from J.Ritter to S.Myers and other Excel employees cc: M.Brossart and other Excel employees. Re: evaluation for the SDP for HELB
PROD00018734	11/18/2008 Email from S.Myers to B.Slack Re: schedule for Aux Building HELB
PROD00018735	Date unknown Re PINGP calculation reconstitution and Improvement Project
PROD00018736	11/17/2006 PINGP Calculation - Determination of number of high energy pipe sections affecting turbine
PROD00018737	12/02/2008 Email from K.Denherder to J.Ritter re Impact of the CC/HELB Significance Determination Process Issue
PROD00018738	12/02/2008 Email from J.Ritter to K.Denherder re Impact of the CC/HELB Significance Determination Process Issue
PROD00018739	Date unknown Document re large pipe breaks in high energy piping systems and Gothic 7design-basis
PROD00018740	12/04/2008 Email from C.Rizzo to B.Slack and other Excel employees re processing HELB dwgs under ECs-10667 & 1068 and under approved EC 12935
PROD00018741	12/04/2008 Email from B.Slack to C.Rizzo and other Excel employees re processing HELB dwgs under ECs-10667 & 1068 and under approved EC 12935

Document Number	Description
PROD00018742	12/15/2008 Email from J.Connors to C.Sansome and other Excel employees cc: B.Slack re Aux Building HELB analysis
PROD00018743	Date unknown Document re HELB analysis
PROD00018744	12/15/2008 Email from J.Kivi to B.Slack cc S.Ford and other Excel employees re HELB and seismic analyses
PROD00018745	01/16/2009 Letter from M.Wadley to the NRC Re a reportable postulated susceptibility to a postulated High Energy Line Break
PROD00018746	12/19/2008 Email From S. Myers To S. Ford and others at Xcel Re: Question about HELB and Unit 1 CC pumps from NRC Inspector
PROD00018747	03/02/2009 Letter From A. Limaye of MPR Associates Inc. To B. Slack Re: thermal hydraulic analysis of the PINGP Shutdown Cooling system
PROD00018748	03/03/2009 Email From D. Seltur To K. Kriesel and others at Xcel Re: Analysis of Unit 1 piping
PROD00018749	03/03/2009 Automated Engineering Services Corp. Seismic Analysis of Unit 1
PROD00018750	02/24/2009 Email From K. Kriesel To D. Setlur and others at Xcel Re: Proximity of CC piping to HELB piping for jet impingement
PROD00018751	02/24/2009 DIT Re: CC piping location relative to HELB locations for evaluation of jet impingement
PROD00018752	Flow Diagram Component Cooling System Unit 2
PROD00018753	01/30/2009 Email From J. Ritter To B. Horner and others at Xcel Re: Significance Determination Process for CC HELB
PROD00018754	CC Piping Adjacent to HELB Location in Turbine Building
PROD00018755	Cutsets with Description Report Re: Loss of Component Cooling Water Initiating Event
PROD00018756	Cutsets with Descriptions Report Re: Loss of Component Cooling Water Initiating Event
PROD00018757	01/29/2009 Basic Event Summary Re: HELB in Unit 1 turbine building
PROD00018758	01/30/2009 Basic Event Summary Re: HELB in Unit 1 turbine building
PROD00018759	01/29/2009 Basic Event Summary Re: HELB in Unit 2 turbine building
PROD00018760	Analysis of RCP Seal LOCA with RHR/SI unavailable
PROD00018761	09/16/2008 Alarm Response Procedure
PROD00018762	02/23/2006 Alarm Response Procedure
PROD00018763	02/12/2004 Abnormal Operating Procedures for Loss of RCP Seal Cooling
PROD00018764	03/31/2008 Abnormal Operating Procedure for Loss of RCP Seal Injection
PROD00018765	01/10/2006 Abnormal Operating Procedure for Loss of Component Cooling
PROD00018766	01/11/2008 Procedure for Reactor Trip or Safety Injection
PROD00018767	01/11/2008 Procedure for Loss of Reactor or Secondary Coolant
PROD00018768	02/12/2007 Procedure for Core Cooling Following Loss of RHR Flow
PROD00018769	02/13/2009 Email From K. Kriesel To J. Ritter and others at Xcel Re: Analysis of CC/FW/CD lines in Turbine Building
PROD00018770	02/12/2009 Automated Engineering Services Corp. Analysis of CC/FW/CD Lines in Turbine Building

Document Number	Description
PROD00018771	03/06/2009 Email From D. Setlur To B. Slack, K. Kriesel Re: Jet Impingement Effects on CC Lines in the Turbine Building
PROD00018772	03/06/2009 Automated Engineering Services Corp. Evaluation of the Effects of Jet Impingement on Component Cooling Piping in the Turbine Building
PROD00018773	05/23/2008 Letter From MPR Associates Inc. To J. Conners Re: Operability Evaluation of Diesel Engines that Drive the Safeguards Cooling Water Pumps at PINGP
PROD00018774	03/20/2009 Email From D. Aument To B. Slack K. Kriesel, D. Henry D. Setlur Re: Jet Impingement on CC lines in the Turbine Building
PROD00018775	03/20/2009 Automated Engineering Services Corp. Evaluation of the Effects of Jet Impingement on Component Cooling Piping in the Turbine Building
PROD00018776	03/13/2009 Evaluation of the Effects of Jet Impingement on CC Piping in the Turbine Building
PROD00018777	03/20/2009 Email From D. Henry To B. Slack, D. Setlur Re: Evaluation of the Jet Impingement Loads on Component Cooling Piping
PROD00018778	03/20/2009 Automated Engineering Services Corp. Evaluation of the Effects of Jet Impingements on Component Cooling Piping in the Turbine Building
PROD00018779	Assessment of the Component Cooling Piping in the Turbine Building from the Effects of High Energy Line Break Events
PROD00018780	Assessment of the Component Cooling Piping in the Turbine Building from the Effects of High Energy Line Break Events
PROD00018781	Operability Recommendation for Unit 1 & 2, Sump B Screens
PROD00018782	01/14/2009 Email From S. Myers To J. Kivi, S. Ford, B. Slack Re: ACE on the missed opportunities for identifying the CC/HELB interaction
PROD00018783	Apparent Cause Evaluation for non-conformance of the component cooling water system to be seismically qualified
PROD00018784	1/12/2009 email from Sean Ford to Brian Slack re: seismic events and line (HELB) breaks
PROD00018785	1/12/2009 email from Kyle Kriesel to Doc Setlur re: seismic events and line (HELB) breaks
PROD00018786	1/12/2009 letter to Sean Ford from Automated Engineering Services re: seismic events and line (HELB) breaks
PROD00018787	5/20/2004 letter from Scientech to Paul Hinnenkamp re: seismic events and line (HELB) break analysis
PROD00018788	1/6/2009 email from Candace Sprout to James Hill re: seismic events and line (HELB) break analysis
PROD00018789	1/21/2009 memo/site notice re: radioactive shipments
PROD00018790	12/19/2008 Request for Phased Approval (RPA) re: HELB and line strength
PROD00018791	2/14/2009 email from Gary Wheelock to Brian Slack and others re: HELB and line strength
PROD00018792	2/13/2009 email from Gary Wheelock to Brian Slack and others re: HELB and line strength
PROD00018793	2/10/2009 email from Jayne Ritter to Scott Northard and others re: HELB and pipe breakage frequency and liner strength
PROD00018794	2/3/2009 NMC Design Review Comment Form re: HELB design and installation

Document Number	Description
PROD00018795	2/4/2009 letter from Advent Engineering to Brian Slack re: HELB models for Turbine Building at Prairie Island
PROD00018796	email from J. Ritter to T. Borgen, T.Strain T. Bacon, B. Slack, : comments on cc/helb HRA report 2/27/2009
PROD00018797	email from K. Vincent to T. Borgen, T.Strain T. Bacon, J. Ritter, B. Slack : Comments on cc/helb HRA report 2/27/2009
PROD00018798	PINGP CC lines in the Turbine Bldg issue
PROD00018799	email: turbine building HELB/CC SDP update 3/15/2009
PROD00018800	email: turbine building HELB/CC SDP update 3/15/2009
PROD00018801	email 12-CD - 7 questions 3/24/2009
PROD00018802	email 12-CD - 7 questions 3/23/2009
PROD00018803	email from J. Ritter to K. DenHerder and B.Slack 12-CD - 7 questions 3/24/2009
PROD00018804	email 12-CD - 7 questions 3/24/2009
PROD00018805	email: Turbine Bldg flooding evaluation 3/18/2009
PROD00018806	email: Turbine Bldg flooding evaluation 3/18/2009
PROD00018807	memo on status of turbine building HELB/CC piping significant determination dated 4/10/2009
PROD00018808	email: report on interaction between high energy piping and cooling water that also affect CC dated 4/23/2009
PROD00018809	report on interaction between high energy piping and cooling water that also affect CC
PROD00018810	email FP/CL Piping dated 4/21/2009
PROD00018811	email: FP/CL piping dated 4/21/2009
PROD00018812	email from R. Best to B. Slack : FP/CL piping dated 4/21/2009
PROD00018813	Memo - Communicate status of the turbine building HELB/CC piping significant determination to station mngmt 4/14/2009
PROD00018814	memo - communicate status of the turbine building HELB/CC piping significant determination process to station management 4/13/2009
PROD00018815	Input for safety determination process for unit 1 turbine building
PROD00018816	email from J. Ritter to B. Slack and R. Best - jet impingement issues on CC dated 5/18/2009
PROD00018817	email: CC-HELB SDB evaluation in Turbine Building 5/15/2009
PROD00018818	4/29/09 email from E. Bird at MPR to B. Slack regarding HELB/CL interactions
PROD00018819	4/15/09 PINGP Project Review Group Alignment Meeting Minutes regarding refueling cavity leakage
PROD00018820	4/25/09 email from J. Ritter to B. Slack regarding HELB piping
PROD00018821	4/25/09 email from J. Ritter to B. Slack regarding HELB piping
PROD00018822	4/25/09 transmittal email from W. Scholberg to B. Slack regarding operability for HELB
PROD00018823	Xcel Energy Recommendation for PINGP HELB/CAP
PROD00018824	Xcel Energy Design Review Comment Form regarding HELB
PROD00018825	Xcel Energy Operability Recommendations for PINGP regarding HELB/CAP
PROD00018826	Xcel Energy Operability Recommendation for PINGP regarding HELB/CAP
PROD00018827	6/26/09 email from E. Bird of MPR to B. Slack and M. Huting regarding PINGP HELB evaluation

Document Number	Description
PROD00018828	6/26/09 letter with enclosure from E. Bird of MPR to B. Slack regarding PINGP turbine building HELB analysis
PROD00018829	6/25/09 email from D. Hunt to G. Pebbles at Sargent & Lundy and others at Xcel regarding HELB
PROD00018830	6/25/09 email from G. Peebles at Sargent & Lundy to D. Hunt and others at Xcel regarding HELB
PROD00018831	6/25/09 email from D. Hunt to C. Iasielo at Sargent & Lundy and others at Xcel regarding HELB
PROD00018832	6/23/09 email from M. Huting to B. Slack and others at Xcel regarding turbine oil cooler nozzle loads
PROD00018833	6/19/09 email from D. Setlur of AES Engineering to E. Bird at NPR and others at Xcel regarding turbine oil cooler nozzle loads
PROD00018834	Chart and diagram attached to 6/19/09 D. Setlur of AES email regarding turbine oil cooler nozzle loads
PROD00018835	Diagram attached to 6/19/09 D. Setlur of AES email regarding turbine oil cooler nozzle loads
PROD00018836	Diagram attached to 6/19/09 D. Setlur of AES email regarding turbine oil cooler nozzle loads
PROD00018837	Diagram attached to 6/19/09 D. Setlur of AES email regarding turbine oil cooler nozzle loads
PROD00018838	Diagram attached to 6/19/09 D. Setlur of AES email regarding turbine oil cooler nozzle loads
PROD00018839	Diagram attached to 6/19/09 D. Setlur of AES email regarding turbine oil cooler nozzle loads
PROD00018840	6/18/09 memorandum from K. Ryan to D. Malek regarding CC piping adjacent to HELB location in the turbine building
PROD00018841	6/18/09 email from T. O'Connor to T. O'Connor and others at Xcel regarding an upcoming Design Review Meeting for the Heavy Bundle Project
PROD00018842	Information sheet regarding accumulator boron concentration and auxiliary feedwater system attached to 6/18/09 T. O'Connor email regarding an upcoming Design Review Meeting for the Heavy Bundle Project
PROD00018843	Xcel Design Input Checklist regarding HELB and safety issues attached to 6/18/09 T. O'Connor email regarding an upcoming Design Review Meeting for the Heavy Bundle Project
PROD00018844	Xcel Design Input Checklist regarding safety issues attached to 6/18/09 T. O'Connor email regarding an upcoming Design Review Meeting for the Heavy Bundle Project
PROD00018845	6/17/09 email from C. Sansome to J. Ritter and B. Slack regarding cooling system crack
PROD00018846	Diagram attached to6/17/09 email from C. Sansome to J. Ritter and B. Slack regarding cooling system crack
PROD00018847	6/16/09 email from D. Hunt to S. Slack and others at Xcel and Sargent & Lundy regarding HELB
PROD00018848	letter from A.V. Setlur of AES to B. Slack regarding cooling water safety issues
PROD00018849	6/15/09 transmittal email from D. Setlur of AES to B. Slack regarding a revised jet impingement calculation of cc lines for long breaks
PROD00018850	6/3/09 letter from A.V. Setlur of AES to B. Slack regarding AES's proposal to revise safety related jet impingement calculation PI-996-61-M01 of the TB CC lines for PRA HELB scenarios attached to Setlur's 6/15/09 email to Slack
PROD00018851	6/8/09 email from D. hunt to K. Gadient and others at Xcel and Sargent & Lundy regarding whether to install a damper in the 15 wall air intake, which is an HELB boundary between the Turbine building and the D5 room
PROD00018852	6/8/09 email from K. Gadient to J. LeClair and others at Xcel and Sargent & Lundy regarding whether to install a damper in the turbine building wall

Document Number	Description
PROD00018853	6/8/09 email from K. Gadient to J. LeClair and others at Xcel and Sargent & Lundy regarding whether to install a damper in the turbine building wall
PROD00018854	6/5/09 email from J. LeClair to M. Milad at Sargent & Lundy and others at Xcel and Sargent & Lundy regarding whether to install a damper in the wall of the turbine building
PROD00018855	6/5/09 email from J. LeClair to B. Slack and others at Xcel and Sargent & Lundy regarding HELB/whether to install a damper in the turbine building wall
PROD00018856	6/5/09 email from J. LeClair to B. Slack regarding HELB/whether to install a damper in the turbine building wall
PROD00018857	6/5/09 email from J. LeClair to D. Hunt and others at Xcel regarding HELB/whether to install a damper in the turbine building wall
PROD00018858	6/3/09 email from D. Henry to B. Slack and others at Xcel regarding HELB
PROD00018859	6/3/09 email from D. Henry to B. Slack and others at Xcel regarding insulation on the cooling water pipe
PROD00018860	6/3/09 email from D. Setlur of ASE to B. Slack and others at Xcel regarding ASE's proposal to evaluate the CC lines for the PRA HELB scenarios
PROD00018861	6/3/09 letter from A.V. Setlur of ASE to B. Slack proposing to analyze the TB CC piping for PRA HELB Scenarios longitudinal breaks in lines 20-CD-7, 16-CD-7, and 16-2CD-7
PROD00018862	6/3/09 email from J. Ritter to R. Best and others at Xcel regarding jet impingement/CC/HELB
PROD00018863	6/3/09 email from R. Best to D. Malek regarding jet impingement/CC/HELB
PROD00018864	6/1/09 email from C. Koehler to S. Ford and B. Slack regarding pipe design/earthquakes, LOCA, and HELB
PROD00018865	6/1/09 email from K. DenHerder to B. Slack regarding CC/HELB
PROD00018866	5/26/09 PINGP Screening Committee Meeting Minutes regarding Aux Building HELB and CAP investigation
PROD00018867	5/29/09 email from J. Ritter to B. Slack regarding feedwater pipe breaks
PROD00018868	5/29/09 email from C. Koehler to B. Slack and S. Ford regarding pipe stress in the context of earthquake/LOCA/HELB
PROD00018869	07/16/2009 Email from D.Setlur to B.Slack re Proposal for HELB analysis of Unit 1 FW line from FW pumps to the 15A-B FW heaters
PROD00018870	7/16/09 email from A.V. Setlur of AES to B. Slack regarding AES proposal to analyze feedwater pumps for HELB
PROD00018871	6/23/09 email from S. Ford to B. Slack regarding aux building HELB analysis
PROD00018872	7/22/09 email from W. Scholberg to M. Hopman and others at Xcel regarding PINGP's HELB flooding efforts
PROD00018873	outline request for an update on flooding and HELB evaluation
PROD00018874	7/15/09 email from D. Hunt to G. Kvamme and B. Slack regarding installation of dampers in the turbine building/HELB wall
PROD00018875	6/19/09 Technical Requirements Document for PINGP regarding HELB dampers and safety issues, prepared by Sargent & Lundy
PROD00018876	7/14/09 email from E. Bird of MPR to B. Slack and others at Xcel regarding HELB/feedwater line work at PINGP

Document Number	Description
PROD00018877	Diagram attached to 7/14/09 email from E. Bird of MPR to B. Slack and others at Xcel regarding HELB/feedwater line work at
PROD00018878	7/13/09 email from E. Bird of MPR to B. Slack and others at Xcel regarding HELB/feedwater line work
PROD00018879	Diagram attached to 7/13/09 email from E. Bird of MPR to B. Slack and others at Xcel regarding HELB/feedwater line work at
PROD00018880	Chart regarding CAP
PROD00018881	7/10/09 email from S. Skoyen to R. Rohrer and others at Xcel and other companies regarding CC/HELB
PROD00018882	7/10/09 email from J. Nestell at MPR to B. Slack and others regarding CC/HELB work
PROD00018883	7/9/09 email from A. Bierbrauer to B. Stack and A. Smith regarding TB HELB contracting expenses
PROD00018884	7/9/09 email from M. Davis to DL-PI-Leadership Team and others at Xcel regarding CC HELB white finding
PROD00018885	7/9/09 email from A. Bierbrauer to B. Slack and A. Smith regarding TB HELB contracting expenses
PROD00018886	7/9/09 email from B. Kamowski to B. Slack regarding installation of temporary cooling in the aux building
PROD00018887	7/9/09 Xcel Design Input Consultation Form by B. Kamowski regarding installation of temporary cooling in the aux building
PROD00018888	Xcel Temporary Modification Control Form (PassPort Version) regarding installation of temporary cooling in the aux building
PROD00018889	7/3/08 NMC Design Input Consultation Form regarding installation of temporary cooling in the aux building
PROD00018890	7/9/09 email from A. Bierbrauer to S. Ford and B. Slack regarding funding for aux building HELB analysis
PROD00018891	7/8/09 email from D. Potter to B. Slack regarding CC HELB contract work
PROD00018892	7/8/09 email from D. Potter to R. Rohrer and B. Slack regarding obtaining a professional opinion on matters structural matters relating to the feedwater HELB
PROD00018893	7/8/09 email from R. Jones to D. Potter and B. Slack regarding CC/HELB jet impingement from valve
PROD00018894	7/8/09 email from D. Potter to B. Slack and R. Jones regarding CC/HELB jet impingement from valve
PROD00018895	7/7/09 email from D. Potter to B. Slack regarding CC/HELB jet impingement from valve
PROD00018896	7/7/09 email from D. Potter to B. Slack regarding feedwater HELB analysis
PROD00018897	7/6/09 email from R. Rohrer to B. Slack regarding turbine building HELB issues
PROD00018898	7/6/09 memorandum from D. Malek to K. Ryan regarding CC piping adjacent to HELB location in the turbine building
PROD00018899	7/6/09 email from D. Malek to D. potter and others at Xcel regarding simulator exercise to support the CC HELB SDP
PROD00018900	7/2/09 memorandum from D. Malek to K. Ryan regarding the status of the turbine building HELB/CC piping
PROD00018901	7/2/09 email from R. Rohrer to D. Malek and others at Xcel regarding SERP meeting for the turbine building HELB/CC SDP
PROD00018902	Memo - Status of the turbine building HELB/CC piping significant determination 6/29/2009
PROD00018903	Automated Engineering Services Corp Calculation Package on Jet Impingement Loads on CC piping in the turbine building 6/26/2009

Document Number	Description
PROD00018904	email from D. Potter and B. Slack on internal flood update - jet impingement 8/13/2009
PROD00018905	Letter from A. V. Sethur To Brian Slack re: AES proposal to perform stress and HELB analysis of the subject lines in turbine building 7/29/2009
PROD00018906	Internal flooding drainage control
PROD00018907	email from K. DenHerder to B. Slack - CL System flow values - seismicity events 9/11/2009
PROD00018908	CAP Operability recommendation high energy line break in turbine building
PROD00018909	operability recommendation on high energy line break in turbine building
PROD00018910	email from W. Scholberg to B. Slack on evaluation - feedwater condensate system high energy line break in turbine building 9/9/2009
PROD00018911	evaluation - feedwater condensate system high energy line break in turbine building 4/20/2009
PROD00018912	Operability recommendation - high energy line break in the turbine building
PROD00018913	Turbine building flooding plan
PROD00018914	PI Turbine Building Flooding
PROD00018915	8/26/2009 Auxiliary building HELB Surface areas and flow paths calculation
PROD00018916	PI Turbine Building Flooding Plan
PROD00018917	10/24/2009 email from S. Myers to B. Slack, D. Potter re peer check on HELB figures
PROD00018918	10/24/2009 email from S. Myers to others at Xcel re HELB licensing conditions
PROD00018919	Draft for HELB CAPs after NRC white finding
PROD00018920	Analysis of HELB caused flooding
PROD00018921	CC/HELB concerns list
PROD00018922	Draft for HELB in turbine building CAPs
PROD00018923	10/12/2009 email from J. Kempkes to B. Slack and others at Xcel re better solution for HELB flooding door issue
PROD00018924	10/9/2009 email from J. Rayne to D. Potter , B. Slack, R. Rohrer re CC/HELB timing analysis
PROD00018925	10/6/2009 email from D. Potter to B. Slack re CC/HELB timing calculation
PROD00018926	10/9/2009 email from D. Potter to J. Ritter and others at Xcel re CC/HELB timing calculation
PROD00018927	10/8/2009 email from J. Connors to B. Slack re HELB reconstituting proposal
PROD00018928	Operability Recommendation on rollup doors during HELB flooding
PROD00018929	Operability Report Notes re Rollup doors and HELB flooding
PROD00018930	4/20/2009 Limiting time for operator action to mitigate flooding effects from a HELB in Unit 1
PROD00018931	9/30/2009 Unit 2 reactor building drawing
PROD00018932	9/30/2009 Unit 2 Reactor Building drawing
PROD00018933	9/30/2009 Unit 2 Reactor Building Drawing
PROD00018934	9/30/2009 Unit 2 Reactor Building Drawing
PROD00018935	11/20/2009 email from J. Hill to B. Slack re HELB work and analysis
PROD00018936	11/20/2009 email from J. Hill to B. Slack and others at Xcel re HELB work and analysis
PROD00018937	11/20/2009 email from J. Hill to B. Slack, S. Ford, C. Sprout re HELB work and analysis

Document Number	Description
PROD00018938	10/19/2009 email from D. Potter to B. Slack, R. LaLone re CC/HELB pump calculations
PROD00018939	9/22/2008 PINGP Evaluation of HELB and Flooding Analysis
PROD00018940	11/14/2009 Apparent Cause Evaluation re HELB time critical operator actions
PROD00018941	Turbine building HELB/Flooding Interactions spreadsheet
PROD00018942	11/16/20009 Email from J. Ritter to T. Johansen and Design Engineering re: simulator run for potential cooling water flow and pressure issues
PROD00018943	11/15/2009 Email from H. Hoelscher to B. Slack re: revise corrective action program actions for cooling water-high energy line break interaction and FBN condition
PROD00018944	11/13/2009 Email from D. Potter to B. Slack re: analysis of cooling water interaction with events.
PROD00018945	Spreadsheet re: high energy line break and flooding interaction
PROD00018946	11/10/2009 Email from R. MilesBoysen to *DL-PI-Engineering Design - All re: analysis of tornados on component cooling system
PROD00018947	Evaluation of tornados on component cooling system.
PROD00018948	11/10/2009 Email from K. DenHerder to B. Slack and others from Xcel re: analysis of cooling water system-high energy line break interaction and loss of off-site power
PROD00018949	Prairie Island Updated Safety Analysis Report
PROD00018950	11/10/2009 Email from K. DenHerder to B. Slack and others at Xcel re: analysis of cooling water system-high energy line break interaction and loss of off-site power
PROD00018951	11/10/2009 Email from D. Potter to B. Slack and R. Rohrer re: analysis of high energy line break flooding
PROD00018952	11/5/2009 Email from J. Ritter to D. Potter and others at Xcel re: dry-run on simulator of high energy line break flooding
PROD00018953	11/6/2009 Email from J. Hill to B. Slack re: evaluation of corrective action program actions identified as related to new high energy line break locations
PROD00018954	11/6/2009 Email from J. Hill to S. Ford and others at Xcel re: new corrective action program action for high energy line break from feed water line break.
PROD00018955	11/06/2009 Email from S. Ford to J. Hill and others at Xcel re: corrective action program action from evaluation of new high energy line break crack locations
PROD00018956	Potential CL System Unanalyzed Condition During HELB
PROD00018957	11/4/2009 Email from J. Ritter to D. Potter and others at Xcel re: simulator dry-run of the high energy line break flooding.
PROD00018958	List of project tasks to enhance/reconstitute the design basis for the internal flooding program
PROD00018959	12/14/2009 Email from R. Rohrer to D. Kettering and others at Xcel re: analysis of high energy line break induced flooding
PROD00018960	Request for phased approval Turbine Building HELB Analysis
PROD00018961	12/7/2009 email from C.McEathron to Everyone Re: Unit 1 moving to Column 1
PROD00018962	7/29/2008 RCE Report Component Cooling Piping Adjacent to HELB Location in Turbine Building

Document Number	Description
PROD00018963	2/2/2010 email from N. Juraydini with Stevenson and associates to J. Hill and others at Xcel regarding HELB breaks
PROD00018964	12/4/2009 Calculation Sheet Attachment A regarding feedwater discharge piping and HELB breaks
PROD00018965	1/29/2010 from C. Sprout to E. Mark regarding summary for HELB break selection
PROD00018966	1/29/2010 email from c. sprout to r. pearson regarding safety and seismic requirements
PROD00018967	Chemical Precipitates Post-LOCA Not Significant Threat
PROD00018968	1/21/2010 memorandum from E. Geiger to M. Scott regarding basis for excluding chemical-effects phenomenon from vessel downstream evaluations
PROD00018969	7/1/2009 NRC group of documents regarding Amendment 192 to Facility Operating License to PINGP
PROD00018970	1/29/1999 Issue Summary: Feedwater System Volumetric Flow From a Full Circumferential Break
PROD00018971	5/17/2004 General Computation Sheet regarding Auxiliary Building HELB Compartment Volumes
PROD00018972	Considerations for CC/HELB 95-001 inspection
PROD00018973	11/6/2009 PINGP Calculation- Inputs to Turbine Building Gothic Model for HELB Analysis
PROD00018974	11/06/2009 Inputs to Turbine Building Gothic Model for HELB Analysis- Calculation Signature Sheet & Design Sheet
PROD00018975	11/06/2009 Inputs to Turbine Building Gothic Model for HELB Analysis - Calculation Sheet/ Design Review Checklist/ PINGP Calculation/
PROD00018976	1/4/2010 Design Input Consultation Form for Feedwater Pump Suction Furmanite
PROD00018977	Temporary Modification Control Form regarding Feedwater Pump Suction Furmanite
PROD00018978	50.59 Screening regarding Furmanite application of on-line leak sealant
PROD00018979	5/4/2010 letter from M. Schimmel at Xcel to US NRC regarding condition due to postulated high energy line break on cooling water system; Licensee Event Report
PROD00018980	5/8/2010 email from D. Setlur to R. Rohrer regarding comments on HELB Screen Document
PROD00018981	HELB Evaluation Document
PROD00018982	2/26/2010 email from D. Setlur to B. Slack regarding D1/D2 ventilation air intake duct
PROD00018983	4/29/2010 Automated Engineering Services Corp letter from E. Halverson to B. Slack regarding a request to support D1 and D2 qualification analysis for a HELB in the Turbine Building
PROD00018984	Calculation Package- Analysis of Unit 2 Feedwater Discharge Piping; HELB Analysis of CC/FW/CD/ Lines in Turbine Building
PROD00018985	6/4/2010 email from M. Goggin to S. Larson regarding HELB historical basis document and flooding
PROD00018986	5/21/2010 email from M. Huting to M. Schimmel regarding flooding priorities
PROD00018987	5/1/2010 email from J. Kivi from B. Slack regarding HELB cooling water pumps
PROD00018988	4/9/2010 email from R. Rohrer to K. Kriesel regarding random flooding pipe class
PROD00018989	6/3/2010 email from S. Larson to M. Goggin regarding HELB program reconstitution NPA
PROD00018990	2/2004 Safety Analysis Transition Program Engineering Report volume 1 Engineering Analysis

Document Number	Description
PROD00018991	PINGP Component Cooling Water/ Turbine Building SDP Issue Risk Significance- Summary of Xcel Energy Analysis Performed
PROD00018992	5/17/2010 email from D. Malek to B. Slack regarding HELB report
PROD00018993	3/8/2010 email from K. Mews to S. Myers and others at Xcel regarding CL umps at PINGP.
PROD00018994	3/38/2010 NRC Question Response Form regarding CAP 01221390.
PROD00018995	3/12/2010 email from S. Myers to M. Huting and others at Xcel regarding history of HELB flooding at PINGP.
PROD00018996	Spreadsheet with history of HELB events at PINGP.
PROD00018997	Document with Internal Flooding Timeline at PINGP.
PROD00018998	4/26/2010 email from N. Juraydini to C. Sprout regarding HELB stress requirements at PINGP.
PROD00018999	6/1/2010 email from D. Ohkawa to S. Winston regarding scenarios for HELB at PINGP.
PROD00019000	6/1/2010 email from D. Ohkawa to B. Slack regarding HELB scenarios at PINGP.
PROD00019001	Drawing of HELB at PINGP.
PROD00019002	5/25/2010 email from D. Ohkawa to B. Slack regarding HELB at PINGP.
PROD00019003	5/25/2010 letter from Xcel to C. Candee at Westinghouse requesting input confirmation for HELB analysis at PINGP
PROD00019004	5/19/2010 email from D. Ohkawa to B. Slack regarding structural issue in turbine building at PINGP.
PROD00019005	6/3/2010 email from R. Pearson to B. Slack regarding HELB at PINGP.
PROD00019006	5/17/2010 email from R. Pearson to B. Slack regarding HELB past at PINGP.
PROD00019007	Document addressing HELB history at PINGP.
PROD00019008	5/17/2010 email from R. Pearson to B. Slack regarding HELB at PINGP.
PROD00019009	Document addressing Screening of Pipe Whip Interactions for SDP.
PROD00019010	6/4/2010 email from D. Potter to B. Slack regarding HELB at PINGP.
PROD00019011	6/4/2010 email from D. Potter to B. Slack regarding HELB scenarios at PINGP.
PROD00019012	6/3/2010 email from D. Potter to R. Rohrer regarding HELB response at PINGP.
PROD00019013	Design Review Comment Form regarding HELB.
PROD00019014	Screening of Pipe Whip Interactions for SDP.
PROD00019015	Metrics for Saturated H2O Properties.
PROD00019016	Screening of Pipe Whip Interactions for SDP.
PROD00019017	Metrics for Saturated H2O Properties.
PROD00019018	Screening of Pipe Whip Interactions for SDP.
PROD00019019	Screening of Pipe Whip Interactions for SDP.
PROD00019020	ENG-ME-732 / Determination of HELB / Flooding Interactions in the Turbine Building.
PROD00019021	ENG-ME-732 / Determination of HELB / Flooding Interactions in the Turbine Building.
PROD00019022	3/17/2010 Fire Protection Sprinkler Actuation Flow Rates as a Result of HELB.
PROD00019023	5/21/2010 Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP.

Document Number	Description
PROD00019024	5/21/2010 email from D. Potter to H. Hoelscher and others at Xcel regarding HELB flooding in turbine building scenarios.
PROD00019025	3/12/2010 Evaluation of FW and Condensate HELB Affects for Sprinkler Initiation for SDP.
PROD00019026	5/21/2010 Evaluation of FW and Condensate HELB Affects for Habitability Times for SDP.
PROD00019027	4/23/2010 email from D. Potter to R. Rohrer and B. Slack regarding retraction of notification of NRC of event at PINGP.
PROD00019028	4/23/2010 email from D. Potter to R. Rohrer and B. Slack regarding MDAFW at PINGP Unit 2.
PROD00019029	Schematic of building at PINGP.
PROD00019030	Schematics of buildings at PINGP.
PROD00019031	Schematic of building at PINGP.
PROD00019032	6/2/2010 email from T. Roddey to B. Slack and others at Xcel regarding HELB 95001 inspection.
PROD00019033	5/26/2010 email from T. Roddey to B. Slack regarding HELB calculations.
PROD00019034	5/7/2010 Calculation Signature Sheet regarding Turbine Building HELB output.
PROD00019035	5/7/2010 Calculation Signature Sheet regarding Turbine Building HELB output.
PROD00019036	4/7/2010 Licensing Issue Team update regarding preparation for 95001 inspection.
PROD00019037	3/26/2010 email from T. Roddey to B. Slack regarding HELB issues at PINGP.
PROD00019038	Document outlining HELB issues.
PROD00019039	Document outlining HELB issues.
PROD00019040	Spreadsheet describing HELB progress.
PROD00019041	5/27/2010 email from R. Rohrer to J. Ritter and others at Xcel regarding wording of Flooding Choice Letter (HELB).
PROD00019042	5/27/2010 letter from NRC to PINGP regarding findings of inspection.
PROD00019043	5/27/2010 email from R. Rohrer to B. Slack and others at Xcel regarding standards for language in NRC report.
PROD00019044	5/18/2010 email from R. Rohrer to B. Slack regarding PINGP turbine building flooding.
PROD00019045	4/28/2010 Impact of Turbine Building Internal Flooding document.
PROD00019046	5/18/2010 email from R. Rohrer to C. Hessen regarding internal flooding at turbine building at PINGP.
PROD00019047	5/13/2010 email from R. Rohrer to C. Hessen regarding internal flooding at turbine building at PINGP.
PROD00019048	Document detailing turbine building flooding at PINGP.
PROD00019049	5/11/2010 email from R. Rohrer to C. Hessen discussing turbine building flooding at PINGP.
PROD00019050	5/7/2010 email from R. Rohrer to C. Hessen regarding turbine building flooding at PINGP.
PROD00019051	5/5/2010 email from R. Rohrer to C. Hessen discussing turbine building flooding at PINGP.
PROD00019052	5/4/2010 email from R. Rohrer to C. Hessen discussing turbine building flooding at PINGP.
PROD00019053	5/4/2010 email from R. Rohrer to B. Slack discussing outside contractor's assessment of CL system pipe break at PINGP.
PROD00019054	Draft of document detailing significance of issues related to turbine building flooding at PINGP.
PROD00019055	Draft document discussing HELB issues at PINGP.

Document Number	Description
PROD00019056	4/23/2010 email from R. Rohrer to B. Slack and D. Potter regarding NRC report about PINGP turbine building flooding.
PROD00019057	4/23/2010 email from R. Rohrer to B. Slack and D. Potter regarding report to NRC about turbine building flooding at PINGP.
PROD00019058	4/22/2010 list of open items and their significance regarding turbine building flooding at PINGP.
PROD00019059	4/20/2010 email from R. Rohrer to Sam DiPasquale regarding CAP at PINGP.
PROD00019060	4/20/2010 email from M. Schimmel to Xcel regarding safety record of PINGP.
PROD00019061	4/12/2010 email from Mark Schimmel to Xcel regarding NRC determination at PINGP.
PROD00019062	Draft document with engineering calculations relating to turbine building flooding at PINGP.
PROD00019063	3/3/2010 email from S. Scott to Xcel engineers regarding new engineering procedures.
PROD00019064	Evaluation of assessment of PINGP safety issues.
PROD00019065	4/23/2010 email from L. Siedling to S. Ford regarding technical specifications at PINGP.
PROD00019066	Engineering calculations.
PROD00019067	4/2/2010 email from L. Seidling to B. Slack discussing engineering considerations at PINGP.
PROD00019068	3/31/2010 email from L. Seidling to B. Slack regarding RHR pits at PINGP.
PROD00019069	3/3/2010 email from L. Seidling to N. Adams and others at Xcel regarding engineering concerns at PINGP.
PROD00019070	2/24/2010 letter from MPR Associates to L. Seidling at Xcel regarding evaluation of RHR at PINGP.
PROD00019071	2R26 goals.
PROD00019072	4/29/2010 email from A. Smith to B. Slack regarding RPA for PINGP.
PROD00019073	3/4/2010 email from A. Smith to B. Slack regarding HELB issues at PINGP.
PROD00019074	3/4/2010 email from A. Smith to B. Slack regarding outstanding HELB issues.
PROD00019075	3/22/2010 email from D. Smith to B. Slack regarding HELB scenarios at PINGP.
PROD00019076	4/26/2010 email from C. Sprout to N. Juraydini regarding HELB scenarios at PINGP.
PROD00019077	4/26/2010 email from C. Sprout to N. Juraydini regarding HELB scenarios at PINGP.
PROD00019078	3/22/2010 email from C. Sprout to R. Pearson and J. Hill regarding CAP issuance.
PROD00019079	5/13/2010 email from A. Velaski to K. Stoeder and others at Xcel regarding CAP procedure.
PROD00019080	3/17/2010 email from T. Verbout to T. Vue and B. Slack regarding CAP at PINGP.
PROD00019081	05/27/10 Letter from NRC to M. Schimmel re: PINGP NRC Inspection Report w/ preliminary greater than green finding
PROD00019082	Review of AES Turbine Building HELB Calculations
PROD00019083	05/12/08 Email from G. Hostetter to B. Slack re: Turbine Building blowout panels & tornados.
PROD00019084	06/16/08 Email from J. Lauri to J. Nehls and others at Excel re: HELB calculations associated with the turbine building
PROD00019085	HELB Calculations
PROD00019086	07/11/08 Email from C. Sansome to B. Slack re: email chain about HELB and Turbine building
PROD00019087	07/11/08 Email from C. Sansome to M. Milad and others at Excel re: Ventilation, HELB and Turbine Building

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PROD00019088	07/11/08 Email from M. Milad to C. Sansome and others at Excel re: HELB Damper in the Turbine building
PROD00019089	8/7/2008 Email from G. Hostetter with Advent Engineering to B. Slack re Control Room and HELB
PROD00019090	8/6/2008 Email from G. Hostetter with Advent Engineering to B. Slack re Control Room and HELB
PROD00019091	8/28/2008 Email from G. Hostetter with Advent Engineering to B. Slack re M&E Sensitivity Study
PROD00019092	8/29/2008 G. Hostetter, Mass and Energy Release Impact on the GOTHIC HELB Analysis: Sensitivity Study
PROD00019093	Report on Initial Relative Humidity Value Sensitivity in GOTHIC
PROD00019094	10/23/2008 Email from G. Hostetter with Advent Engineering to S. Myers & B. Slack with W. Caprice cc'd re HELB Analysis
PROD00019095	10/22/2008 Email from G. Hostetter with Advent Engineering to B. Slack re modeling HELB outside of containment
PROD00019096	1/2008 Methods and Guidelines for PWR Modeling with GOTHIC prepared by Numerical Applications for EPRI
PROD00019097	10/22/2008 Email from K. Oshanski to B. Slack with G. Hostetter cc'd re HELB calculations
PROD00019098	HELB Calculations: Volume Hydraulic Diameters
PROD00019099	10/7/2008 Email from G. Hostetter to B. Slack re HELB Basis
PROD00019100	3/21/1973 Supplement No. 1 to Safety Evaluation by the Directorate of Licensing U.S. Atomic Energy Commission, In the Matter of NSPC, Prairie Island Units 1 & 2
PROD00019101	HELB Events Outside Containment: Loss of Offsite Power
PROD00019102	5/9/2005 Email from C. Agan to S. Thomas re Plant Safe Shutdown
PROD00019103	Calculation Signature Sheet: Inputs to Auxiliary Building GOTHIC Model for HELB Analysis
PROD00019104	PINGP Calculation: Inputs to Auxiliary Building Gothic model for HELB Analysis, Attachment A
PROD00019105	PINGP Calculation: Inputs to Auxiliary Building Gothic Model for HELB Analysis re summarization of the bases for the required GOTHIC input for the Auxiliary Building HELB
PROD00019106	12/11/2000 USNRC Information Notice: Potential Loss of Redundant Safety-Related Equipment Because of the Lack of High-Energy Line Break Barriers
PROD00019107	6/19/1987 USNRC Generic Letter, Relaxation in Arbitrary Intermediate Pipe Rupture Requirements
PROD00019108	10/28/2008 Email from G. Hostetter to B. Slack & R. Steinman re HELB Gothic analysis - humidity
PROD00019109	10/27/2008 Email from L. Wiles to B. Slack with others cc'd re HELB Gothic analysis - humidity
PROD00019110	10/24/2008 Email from R. Steinman with Advent Engineering to G. Hostetter & B. Slack re HELB Relative Humidity
PROD00019111	10/24/2008 Email from G. Hostetter to B. Slack & R. Steinman re HELB Relative Humidity
PROD00019112	10/24/2008 Email from G. Hostetter to R. Steinman & B. Slack re HELB Relative Humidity
PROD00019113	10/24/2008 Email from G. Hostetter with Advent Engineering to B. Slack & R. Steinman re HELB Relative Humidity
PROD00019114	11/19/2008 Email from K. Vincent to B. Slack re HELB Habitability analysis
PROD00019115	11/19/2008 Email from K. Vincent to B. Slack re HELB Habitability analysis

Document Number	Description
PROD00019116	11/15/2008 Email from J. Ritter to S. Myers and others, re CC/HELB Piping Data Request to Support BRC - Significance Determination Process
PROD00019117	10/30/2008 Design Review Comment Form: Inputs to Auxiliary Bldg GOTHIC Model for HELB Analysis
PROD00019118	Design Review Checklist: Inputs to Auxiliary Building Gothic Model for HELB Analysis
PROD00019119	Design Review Checklist: Auxiliary Building HELB Habitability Analysis
PROD00019120	9/15/2008 Design Review Comment Form: Auxiliary Bldg HELB Habitability Analysis
PROD00019121	11/24/2008 Email from J. Ritter to M. Brossart and others re CC/HELB Interaction SDP Information Request
PROD00019122	12/9/2008 Email from O. Nelson to B. Slack re HELB methodology
PROD00019123	Automated Engineering Services, Calculation Package: Analysis of 1" Component Cooling Lines in Turbine Building
PROD00019124	8/2/1991 Unit #2: Component Cooling System Flow Diagram
PROD00019125	1/10/2006 Abnormal Operating Procedure: Loss of Component Cooling
PROD00019126	Unit 2 Component Cooling System Flow Diagram
PROD00019127	2/11/2009 Prairie Island Turbine Building 695' Elevation HELB Temperature Sensitivity Study
PROD00019128	1/2009 Draft Condition Report - AFW Thrust Loads, TR-42 Recommendation Dispo #9
PROD00019129	10/29/2008 Draft Condition Report - AFW Thrust Loads, TR-42 Recommendation Dispo #9
PROD00019130	Preliminary Evaluation: File TR-42 Recommendation #9 Eval: AF Thrust Loads Inside Containment
PROD00019131	1/16/2009 Letter from M. Wadley to USNRC re LER 2-08-01, Unanalyzed Condition Due to Both Trains of Component Cooling Being Susceptible to a Postulated High Energy Line Break, Supplement 1
PROD00019132	9/3/2008 Design Input Consultation Form: EC 10348, Replace Aux Building ZE Piping, Unit Cooler Coils & MS Unit Coolers to Restore Cooling
PROD00019133	Design Description Form: Replace Aux Bldg ZE Piping, Unit Cooler Coils & MS Unit Coolers to Restore Cooling
PROD00019134	PINGP Calculation: Auxiliary Building Damper Leakage Analysis
PROD00019135	2/6/2009 Memo from S. Northard to B. Horner re CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019136	12/23/2008 Letter from M. Wylie with Advent Engineering Services to B. Slack re Auxiliary Building GOTHIC HELB Analysis 50.59 Activities
PROD00019137	12/18/2008 Email from K. Oshanski with Advent Engineering to B. Slack re Last flow path
PROD00019138	12/18/2008 Email from K. Oshanski with Advent Engineering to B. Slack with G. Hostetter cc'd re last flow path
PROD00019139	PINGP Calculation Draft: Center aisle input for turbine building GOTHIC analyses
PROD00019140	Email from G. Hostetter with Advent Engineering to E. Halverson with B. Slack cc'd re Advent HELB work
PROD00019141	3/14/2008 Letter from D. Horvath with Advent Engineering to B. Slack re GOTHIC Re-analysis of Aux Bldg HELBS
PROD00019142	5/9/2008 Letter from D. Horvath with Advent Engineering to B. Slack re GOTHIC input calc for the Turb Bldg HELB Analysis

Document Number	Description
PROD00019143	9/15/2008 Letter from D. Wood with Advent Engineering to B. Slack re Revision of the GOTHIC input calculation for the turbine building safeguard aisle
PROD00019144	1/13/2009 Email from J. Kivi to S. Myers & B. Slack re postulated HELB at a specific break location
PROD00019145	1/9/2009 Memo from S. Northard to B. Horner re CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019146	1/18/2009 Letter from A. Setlur with Automated Engineering Services to B. Slack re Proposal to qualify cold chem lab masonry block walls for HELB and seismic loads
PROD00019147	1/15/2009 Email from B. Horner to J. Ritter with L. Johnson & B. Slack cc'd re Turbine building HELB/CC SDP update
PROD00019148	1/15/2009 Email from S. Myers to D. Warner with others cc'd re Component Cooling Project
PROD00019149	1/15/2009 Memo from S. Northard to B. Horner re CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019150	1/15/2009 Email from K. Kriesel to B. Slack re FW & CD and CC line analyses to determine seismic levels
PROD00019151	1/12/2009 Letter from A. Setlur with Automated Engineering Services to S. Ford re Seismic level evaluation of FW, CD and CC in the TB
PROD00019152	3/3/2006 Letter from A. Setlur with Automated Engineering Services to M. Meyer with NMC re Proposal to provide engineering services for the CC piping project
PROD00019153	1/16/2009 Memo from S. Northard to B. Horner re CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019154	1/26/2009 Email from J. Ritter to numerous PINGP employees re Turbine building HELB/CC SDP update
PROD00019155	1/23/2009 Summary of conversation with Laura Kozak re SDP for the CC/HELB
PROD00019156	2/11/2009 Prairie Island Turbine Building 695' Elevation HELB Temperature Sensitivity Study prepared by Advent Engineering Services
PROD00019157	2/11/2009 Email from G. Hostetter to B. Slack with K. Oshanski & R. Steinman cc'd re 695 TB Sens Study Issue
PROD00019158	1/26/2009 Email from C. Iasielo with Sargent & Lundy to B. Slack with M. Milad cc'd re D3 Room HELB Calculation
PROD00019159	D3 Room HELB Calculation Spreadsheet
PROD00019160	2/4/2009 Letter from M. Wylie with Advent Engineering Services to B. Slack re sensitivity study of the HELB temperatures on the 695' elevation of the turbine building
PROD00019161	2/3/2009 Email from G. Hostetter with Advent Engineering to B. Slack re 695' level temps
PROD00019162	12/29/2008 Letter from A. Setlur with Automated Engineering to S. Ford re Proposal to perform an evaluation of the vulnerability of the CC piping in the TB to HELB Events - Phase 1
PROD00019163	1/5/2009 PINGP Assessment Report on Component Cooling Piping in the Turbine Building
PROD00019164	1/9/2009 Email from A. Setlur with Automated Engineering to S. Ford with others cc'd re HELB impact on CC piping in TB

Document Number	Description
PROD00019165	1/12/2009 Letter from A. Setlur with Automated Engineering to S. Ford re Seismic level evaluation of FW, CD and CC in the TB
PROD00019166	1/14/2009 Email from D. Setlur to B. Slack with others cc'd re FW / CD analyses
PROD00019167	1/14/2009 Email from D. Setlur to B. Slack with C. Agan cc'd re HELB impact on CC piping in TB
PROD00019168	1/30/2009 Progress Report on Release 996-59 - Analysis of CC/FW/CD Lines in Turbine Building
PROD00019169	2/12/2009 Letter from A. Setlur at Automated Engineering Services to B. Slack re Proposal to perform safety related evaluation of the effects of jet impingement on CC piping in the turbine building at PINGP
PROD00019170	1/15/2009 Email from C. Iasielo to B. Slack re D3 Room HELB calculation
PROD00019171	1/6/2009 Email from M. Huting to D. Setlur & S. Ford with others cc'd re Assessment report on CC piping in TB from HELB events
PROD00019172	1/12/2009 Memo from S. Northard to B. Horner re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019173	1/13/2009 Email from B. Horner to B. Slack re Turbine building HELB / CC SDP
PROD00019174	1/13/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019175	1/14/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019176	1/15/2009 Email from B. Horner to S. Northard with others cc'd re Turbine building HELB / CC SDP
PROD00019177	11/6/2008 NRC Question Response Form re CC/HELB
PROD00019178	1/19/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019179	1/20/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019180	1/26/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019181	1/27/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019182	1/28/2009 Email from B. Horner to B. Slack re Cold chem lab
PROD00019183	1/28/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019184	1/29/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019185	1/30/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019186	2/2/2009 Memo from B. Horner to S. Northard re CAP01145695, CC piping adjacent to HELB location in turbine building

Document Number	Description
PROD00019187	2/3/2009 Memo from S. Northard to B. Horner re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019188	2/4/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine building
PROD00019189	2/5/2009 Memo from B. Horner to S. Northard re: CP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019190	2/9/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019191	2/10/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019192	2/11/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019193	2/12/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019194	2/13/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019195	2/16/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019196	2/17/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019197	2/10/2009 email from C. Iasielo to B. Slack re: D3 Room HELB Calculation
PROD00019198	March 2009 Advent Engineering Services Prairie Island Project Status report
PROD00019199	3/4/2009 Memo from B. Horner to S. Northard re: CAP01145695, CC piping adjacent to HELB location in turbine bldg
PROD00019200	3/4/2009 email from G. Hostetter to B. Slack re: TB HELB initial temperatures
PROD00019201	3/1/2009 PINGP Component Cooling Water/Turbine Building Issue Risk Significance Summary of Xcel Analysis Performed
PROD00019202	2/27/2009 email from K. Kriesel to D. Setlur and B. Slack re: Proximity of CC piping to HELB piping for jet impingement
PROD00019203	2/23/2009 email from R. Jones to C. Agan to B. Slack re: EPRI RI-ISI applied to BER/HELB
PROD00019204	3/13/2009 Prairie Island Auxiliary Building Fire Protection Modification HELB Temperature Sensitivity Study
PROD00019205	Licensing basis statements for SI and RHR requirements of dependency on CC
PROD00019206	3/8/2009 Memo from D. Malek to S. Northard re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg
PROD00019207	3/10/2009 Memo form D. Malek to S. Northard re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg

Document Number	Description
PROD00019208	3/9/2009 Memo from D. Malek to S. Northard re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg
PROD00019209	3/10/2009 Memo from D. Malek to S. Northard re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg
PROD00019210	3/11/2009 Memo from D. Malek to S. Northard re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg
PROD00019211	3/12/2009 email from J. Ritter to B. Slack and R. Best re: Turbine Building HELB/CC SDP update
PROD00019212	3/12/2009 email from J. Ritter to B. Slack and K. DenHerder re: Turbine building HELB/CC SDP update
PROD00019213	3/12/2009 Memo from D. Malek to S. Northard re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg
PROD00019214	3/12/2009 email from K. Kreisel to J. Ritter re: Turbine building HELB/CC SDP update
PROD00019215	3/12/2009 Prairie Island Turbine Building 695' Elevation HELB Temperature & Relative Humidity Sensitivity Study
PROD00019216	Prairie Island Turbine Building 695' Elevation HELB Temperature & Relative Humidity Sensitivity Study
PROD00019217	3/12/2009 letter from Advent Engineering to B. Slack re: Advent Proposal AP-09-06: GOTHIC Modeling to Support CC System HELB Operability Determination
PROD00019218	3/11/2009 email from K. Kriesel to J. Ritter and other Xcel employees re: probability of seismic event
PROD00019219	3/11/2009 email from R. Best to K. Kriesel and other Xcel employees re: probability of seismic event
PROD00019220	3/11/2009 email from K. Kreisel to R. Best and other Xcel employees re: probability of seismic event
PROD00019221	3/10/2009 email from S. Roberto to B. Stack re: HELB sensitivity study
PROD00019222	12/8/2008 Calculation Signature Sheet re: Inputs to Auxiliary Building GOTHIC Model for HELB Analysis
PROD00019223	PINGP Calculation re: Inputs to Auxiliary Building Gothic Model for HELB Analysis
PROD00019224	PINGP Calculation re: Inputs to Auxiliary Building Gothic Model for HELB Analysis
PROD00019225	PINGP Calculation re: Inputs to Auxiliary Building GOTHIC Model for HELB Analysis
PROD00019226	PINGP Calculation re: Inputs to Auxiliary Building GOTHIC Model for HELB Analysis
PROD00019227	11/17/2008 PINGP Calculation re: Inputs to Auxiliary Building GOTHIC Model for HELB Analysis
PROD00019228	11/17/2008 PINGP Calculation re: Auxiliary Building HELB Habitability Analysis
PROD00019229	10/30/2008 NMC Document Review Comment Form re: ENG-ME-696/Inputs to Auxiliary Bldg GOTHIC Model for HELB Analysis
PROD00019230	9/15/2008 NMC Design Review Comment Form re: ENG-ME-690/Auxiliary Bldg HELB Habitability Analysis
PROD00019231	3/12/2009 Prairie Island Turbine Building 695' Elevation HELB Temperature & Relative Humidity Sensitivity Study
PROD00019232	4/6/2009 email from J. Ritter to B. Stack re: Assessment Report on CC Piping in TB from HELB Events
PROD00019233	4/6/2009 email from J. Ritter to B. Stack re: Assessment Report on CC Piping in TB from HELB Events
PROD00019234	4/6/2009 email from J. Ritter to B. Stack re: Assessment Report on CC Piping in TB from HELB Events
PROD00019235	50.59 Screening re: Modify Appendix R Safety Shutdown Doors with Louvers for HELB

Document Number	Description
PROD00019236	4/1/2009 letter from Advent Engineering to B. Slack re: Advent Proposal AP-09-08: Calculation of Allowable Operator Response Time Following a Feedwater HELB
PROD00019237	4/1/2009 letter from Advent Engineering to B. Slack re: Advent Proposal AP-09-07: Calculation of Feedwater Line Break Mass and Energy Release
PROD00019238	4/3/2009 email from G. Hostetler to S. Myers and G. Hostetler re: Humidity information for the CC HELB issue
PROD00019239	Design Description Form re: Replace Aux Bldg ZE Piping, Unit Cooler Coils & MS FCUs to Restore Cooling
PROD00019240	9/3/2008 Design Input Consultation Form re: High Energy Line Break re: EC 10348, Replace Aux Building ZE Piping, Unit Cooler Coils & MS Unit Coolers to Restore Cooling
PROD00019241	4/1/2009 PINGP Calculation Impact Review for Engineering Change EC 10348, ZE and ZX System Changes
PROD00019242	4/3/2009 PINGP Calculation Impact Review for Engineering Change EC 10348, ZE and ZX System Changes
PROD00019243	4/3/2009 PINGP Calculation Impact Review for Engineering Change EC 10348, ZE and ZX System Changes
PROD00019244	4/3/2009 PINGP Calculation Impact Review for Engineering Change EC 10348, ZE and ZX System Changes
PROD00019245	4/3/2009 PINGP Calculation Impact Review for Engineering Change EC 10348, ZE and ZX System Changes
PROD00019246	4/17/2009 Draft Plan to Incorporate CL-HELB into CC-HELB SDP Evaluation
PROD00019247	4/19/2009 Memo from D. Malek to K. Ryan re: CAP01145695, CC Piping adjacent to HELB Location in turbine bldg
PROD00019248	4/19/2009 email from R. Best to W. Scholberg re: Draft calc. for AFW room
PROD00019249	4/20/2009 PINGP Evaluation re: Limiting Time for Operator Action to Mitigate Flooding Effects from a Postulated Feedwater Condensate System High Energy Line Break
PROD00019250	Final Draft PINGP Calculation re: Center Aisle Input for Turbine Building Gothic Analyses
PROD00019251	4/15/2009 email R. Cox to R. Best re: Today's CAP on 12-MS-35 line and CC HELB SDP issue response
PROD00019252	4/14/2009 email from G. Hostetler to B. Slack re: 2009/2010 budget and HELB related emergent issues
PROD00019253	5/26/2009 email from G. Adams to B. Slack re: HELB Program Changes wrt Heavy Bundle EC 13179
PROD00019254	5/26/2009 email from W. Scholberg to D. Potter re: Flooding Calculation Inputs
PROD00019255	5/26/2009 email from E. Bird to B. Slack re: Condensate Line HELB
PROD00019256	5/19/2009 email from R. Best to M. Hopman and D. Malek re: MPR question re: HELB events
PROD00019257	5/17/2009 email from R. Best to G. Salamon and other Xcel employees re: Proposed "position statements" for boundaries on the CC-HELB SDP evaluation
PROD00019258	5/15/2009 email from R. Best to B. Slack and other Xcel employees re: CC-HELB Team meeting summary
PROD00019259	5/15/2009 CC-HELB Team Meeting Summary
PROD00019260	5/16/2009 email from J. Ritter to R. Best re: Summary of 5/15/2009 CC-HELB team meeting
PROD00019261	5/15/2009 CC-HELB Team Meeting Summary
PROD00019262	5/17/2009 email from R. Best to J. Ritter re: Summary of 5/15/2009 CC-HELB team meeting
PROD00019263	5/16/2009 email from R. Best to S. Northard and other Xcel employees re: Proposed "position statements" for boundaries on the CC-HELB SDP evaluation
PROD00019264	Proposed Xcel Position Statements Relative to the CC-HELB SDP Evaluation

Document Number	Description
PROD00019265	5/17/2009 email from G. Salamon to S. Northard re: Proposed "position statements" for boundaries on the CC-HELB SDP evaluation
PROD00019266	5/13/2009 email from M. Oghbaci to G. Geany re: Feedwater HELB
PROD00019267	5/13/2009 email from M. Oghbaci to G. Geaney re: info needed for analysis re: HELB
PROD00019268	Diagram of Interaction between HELB and CL
PROD00019269	Report by MPR Associates re: Potential Flooding Scenarios
PROD00019270	8/29/2002 memorandum from L. Marsh to J. Grobe re: Response to Task Interface Agreement (TIA 2001-02) and Task Interface Agreement (TIA 2001-04) Regarding Evaluation of Service Water System Design Basis Requirements at Prairie Island (TAC Nos. MB1402, MB1403, MB1855, and MB1856) & re: PINGP seismic qualification
PROD00019271	5/13/2009 email from J. Ritter to B. Slack re: 12-MS-35 Exclusion Communication with NRC
PROD00019272	5/14/2009 email from R. Best to J. Ritter and B. Slack re: 12-MS-35 Exclusion Communication with NRC
PROD00019273	5/13/2009 email from W. Scholberg to S. Myers and other Xcel employees re: 1067-0907-01 Draft.doc re: flooding evaluation
PROD00019274	5/7/2009 Independent Review of Evaluation for Operator Response Times for Turbine Building Internal Flooding - PINGP
PROD00019275	Advent Engineering Services Prairie Island Schedule & Budget Status
PROD00019276	5/13/2009 letter from Advent Engineering to B. Slack re: Advent Proposal AP-09-13: GOTHIC Re-Analysis of the Auxiliary Building HELB with Updated Mass and Energy
PROD00019277	5/11/2009 email from E. Bird to M. Huting re: Feedwater HELB
PROD00019278	5/7/2009 email from M. Huting to M. Reddemann and other Xcel employees re: Direction of CCHELB
PROD00019279	PowerPoint re: Prairie Island CCHELB/Flooding Program Direction
PROD00019280	5/7/2009 email from D. Potter to B. Slack re: Jet impingement for subcooled systems
PROD00019281	5/7/2009 email from E. Bird to M. Huting re: Prairie Island HELB
PROD00019282	5/1/2009 email from M. Huting to B. Slack and other Xcel employees re: Independent review of HELB work
PROD00019283	5/1/2009 email from M. Oghbaei to B. Slack re: HELB/CL interactions
PROD00019284	Diagram of Interaction between HELB and CL
PROD00019285	5/5/2009 email from G. Hostetter to B. Slack re: AB HELB Model
PROD00019286	4/23/2009 email from D. Malek to C. Lethago re: Fire Protection and CC-HELB
PROD00019287	4/22/2009 email from D. Malek to M. Halverson re: 725' elevation temperatures during HELB
PROD00019288	Graphs and data re: GOTHIC Case c050039 - 3A Compartment Temperature Profile of HELB
PROD00019289	6/18/2009 Design Review Comment Form of ENG-ME-708 / Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00019290	6/18/2009 PINGP Calculation re: Center Aisle Input for Turbine Building Gothic Analyses
PROD00019291	Calculation Signature Sheet re: Inputs to Turbine Building GOTHIC Model for HELB Analysis

Document Number	Description
PROD00019292	Document re: For the flooding scenario postulated for the SDP, provide available flow rates from the postulated breaks from the Cooling Water and the actuation of the Fire Protection systems
PROD00019293	6/15/2009 email from D. Malek to B. Slack re: NRC Call - CC/HELB - 6/10/2009
PROD00019294	6/10/2009 Summary of Discussion with NRC re: Discuss the information that was submitted to the NRC on 6/5/2009 for the PINGP CC-HELB SDP
PROD00019295	6/12/2009 letter from Advent Engineering to D. Potter re: Transmittal of Partially Design Verified Draft of ENG-ME-708 with attachment re: Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00019296	6/2/2009 letter from MPR Associates to B. Slack re: PINGP HELB Analysis
PROD00019297	6/2/2009 email from D. Henry to B. Slack re: Cases for Jet Impingement Analysis of Cooling Water Lines
PROD00019298	6/2/2009 email from R. Rohrer to D. Malek and other Xcel employees re: Summary of Kickoff Meeting for SERP Input
PROD00019299	6/2/2009 email from J. Ritter to D. Henry and B. Slack re: Cases for Jet Impingement Analysis of Cooling Water Lines
PROD00019300	6/3/2009 email from J. Ritter to D. Potter and other Xcel employees re: Summary Table of CC/HELB Interactions with CL Piping
PROD00019301	Report on interactions between high energy piping and cooling water (CL) that also affect component cooling (CC)
PROD00019302	Report re: HELB Piping, CL Line Interaction, Jet Impingement Damage and Pipe Whip Damage
PROD00019303	6/3/2009 email from R. Best to J. Ritter and other Xcel employees re: Another thought on Jet Impingement
PROD00019304	6/2/2009 email from G. Hostetter to B. Slack re: TB HELB
PROD00019305	6/1/2009 TB Base Model RUN calculations
PROD00019306	5/28/2009 MPR Calculation Title Page re: Prairie Island HELB Evaluation re: Calculation of Whipping High Energy Line Impact Velocity and Kinetic Energy for the Condensate Line Interaction with Cooling Line
PROD00019307	PINGP Calculation re Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00019308	07/07/2009 email from C. Agan to B. Slack and R. Rohrer re DRAFT HELB Question Response
PROD00019309	10/16/2009 Action Request Report re Potential Concern raised for a HELB in Turbine Building
PROD00019310	10/19/2009 Action Request Report re Potential Concern raised related to a HELB in the Turb Bldg
PROD00019311	10/20/2009 Document - Inputs to Turbine Building Gothic Model for HELB Analysis
PROD00019312	10/20/2009 Document - Inputs to Turbine Building Gothic Model for HELB Analysis
PROD00019313	10/05/2009 Design Review Comment Form - High Energy-line-break Selection
PROD00019314	10/05/2009 Calculation Signature Sheet - High Energy-line-break Selection
PROD00019315	10/11/2009 Document - Center Aisle Input for Turbine Building GOTHIC Analyses (HELB)
PROD00019316	10/11/2009 Document - Gothic Analyses Calculation Signature Sheet - Author - K.Oshanski
PROD00019317	Date Unknown - Author G.Hostetter - Document - Design Review Checklist for Turbine Building Gothic Analyses

Document Number	Description
PROD00019318	10/09/2009 Email from G.Hostetter to B.Slack and J.Bayer re Issues related the problems with S&L's HELB analysis
PROD00019319	09/30/1999 M.Meyer memo re Issues related to the problems with S&L's HELB analysis
PROD00019320	Date unknown Author unknown Design Review Checklist form - High Energy Line Breaks - Break Location Selection / Rev / 2
PROD00019321	Calculation Signature Sheet - High Energy Line Breaks - Break Location Selection
PROD00019322	09/01/2009 PINGP Calculation Report - High Energy Line Break Location Selection
PROD00019323	10/05/2009 Design Review Comment form - High Energy Line Breaks - Break Location Selection
PROD00019324	10/05/2009 Email from G.Hostetter to B.Slack re: Gothic Sensitivity Study (HELB)
PROD00019325	11/16/2009 Email from B.Slack to G.Hostetter and K.Oshanski re: Battery Rooms - Heat up calcs and HELB environment
PROD00019326	22/06/2009 Email from D.Potter to B.Slack re assumptions needed for HELB induced flooding
PROD00019327	Date; unknown. Author; unknown Memo re assumptions needed for HELB induced flooding in the Turbine Building
PROD00019328	11/06/2009 Email from J.Ritter to G.Hostetter and excel employees Re: Battery Rooms - Heat up calcs & HELB environment
PROD00019329	11/04/2009 Email from G.Hostetter to M.Staley Re: HELB and room heat up.
PROD00019330	11/03/2009 Email from G.Hostetter to B.Slack Re; HELB Analysis diagrams
PROD00019331	Date unknown author unknown Document Re: HELB system diagrams
PROD00019332	10/20/2009 Multiple Authors Documents Re: Turbine building GOTHIC model for HELB analysis
PROD00019333	10/20/2009 Authors unknown Report - Inputs to turbine building GOTHIC model for HELB analysis
PROD00019334	10/20/2009 Authors B.Slack and other Excel employees Report - Inputs to turbine building GOTHIC model for HELB analysis. Input tables attachment.
PROD00019335	11/02/2009 Email from C.Agan to B.Slack Re: HELB reconstitution plan
PROD00019336	10/29/2009 Email from G.Hostetter to B.Slack cc D.Potter and other Excel employees Re: Request for HELB temperatures in the Turbine building
PROD00019337	10/29/2009 Author G.Hostetter Re: Prairie Island Turbine Building HELB Temperature Analysis for 2E, 1D1, 1A and 1C
PROD00019338	10/28/2009 Email from G.Hostetter to B.Slack Re; glitch in GOTHIC Analyses that had been run.
PROD00019339	10/28/2009 Email from G.Hostetter to G.Kvamme and B.Slack cc: D.Carlisle and other excel employees Re; HELB model
PROD00019340	10/28/2009 Email from G,Hostetter to G.Kvamme cc: B.Slack and other Excel employees Re HELB model
PROD00019341	10/27/2009 Email from G.Hostetter to J.Connors and other Excel employees Re: Battery Rooms = Heat up & HELB environment discussions
PROD00019342	10/27/2009 Email from K.Oshnski to B.Slack and other Excel employees cc: J.Ritter and other Excel employees Re: Battery Rooms - Heat up calcs & HELB environment

Document Number	Description
PROD00019343	10/26/2009 Email from G.Hostetter to K.Vincent cc: B.Slack Re:D!D@ HELB OPR model changes
PROD00019344	10/26/2009 Email from G.Hostetter to B.Slack Re: chart of HELB model data
PROD00019345	10/26/2009 Email from G.Hostetter to B.Slack Re; HELB model
PROD00019346	10/26/2009 Email from G.Hostetter to B.Slack Re: HELB model
PROD00019347	8/26/2009 Author unknown document Re; Auxiliary building HELB Surface areas and flow path
PROD00019348	8/26/2009 Author; D.Wang Auxiliary building HELB Surface s & flow path - modify Appendix R Safe Shutdown with Louvers.
PROD00019349	12/04/2009 Author: SA Suttler Calculation Sheet Document Re ; HELB Analysis of CC/FW/CD lines in Turbine Building
PROD00019350	Enhance/reconstitute the design basis for the internal flooding program
PROD00019351	Email from D. Potter to J. Ritter and others at Xcel re: Simulator Run for HELB Flooding Action
PROD00019352	12/01/09 Letter from Advent Engineering to B. Slack re: Proposal for HELB analysis of Turbine Building
PROD00019353	02/02/10 PINGP Calculation - High Energy Line Breaks - Break Location Selection
PROD00019354	02/17/09 Evaluation of Flooding Times and Flow Rates Associated with Unit 1 and Unit 2 TB for Significance Determination
PROD00019355	02/02/10 Letter from Advent to M. Stanley and B. Slack re: Advent's Schedule for GOTHIC Work at Prairie Island
PROD00019356	01/10/10 Email from J. Ritter to B. Slack and others at Xcel re: Preliminary Results from Simulator Validation Run for TB HELB Flood Operator Action
PROD00019357	01/08/10 Table 1 - Simulator Turbine Building HELB Flooding Scenario Validation
PROD00019358	06/04/10 Email from G. Hostetter to B. Slack re: Star Tribune article on safety issues at PI
PROD00019359	HELB Breaks/Cracks Required
PROD00019360	04/09/10 PINGP Calculation - Center Aisle Input for Turbine Building HELB/room heat-up analyses
PROD00019361	5/22/2010 email from K. DenHerder to J. Connors and others at Xcel re: Pipe break scenarios
PROD00019362	5/21/2010 email from E. Boltz to B. Slack and others at Xcel re: Locations and sizes of HELB breaks/cracks
PROD00019363	Report of Advent Engineering titled "Battery rooms 11, 12, 21, and 22 and Bus Rooms 15, 16, 111 and 121 Room Heat-Up Evaluations with loss of HVAC for PRA and SDP."
PROD00019364	5/17/2010 email from S. DiPasquale to T. Roddey and others at Xcel re: Information requested by NRC for 95001Inspection
PROD00019365	5/13/2010 95001 CC-HELB Prairie Island Supplemental Inspection Documentation Request
PROD00019366	5/7/2010 Calculation Signature Sheet titled "Turbine Building HELB Output 160.9 in MSLB."
PROD00019367	5/16/2010 email from R. Rohrer to B. Slack and others at Xcel re: questions related to task 302 of HELB report
PROD00019368	5/13/2010 email from R. Rohrer to C. Hessen and others at Xcel re: Update on status of SDP project for PINGP Turbine Building internal flooding
PROD00019369	5/12/2010 email from D. Ohkawa at Westinghouse to B. Slack re: Sensitivity Studies and Turbine Building

Document Number	Description
PROD00019370	5/11/2010 email from R. Rohrer to C. Hessen and others at Xcel re: Daily update on status of PINGP Turbine Building internal flooding
PROD00019371	Prairie Island Flooding Open Items Significance Determination
PROD00019372	4/8/2010 Design Review Comment Form titled "Appendix I - High energy Line Breaks - Piping System Selection
PROD00019373	Calculation Signature Sheet titled "Appendix i - High Energy Line breaks - Piping System Selection
PROD00019374	4/8/2010 PINGP - High Energy Line Breaks - Piping System Calculation Attachment 3
PROD00019375	4/8/2010 PINGP Calculation - High Energy Line Breaks - Piping System Calculation Attachment 1
PROD00019376	4/8/2010 PINGP Calculation - Attachment 2 - High Energy Line Breaks Attachment 2
PROD00019377	5/7/2010 email from R. Rohrer to D. Setlur (aesenginnering.com) and others at Xcel re: Significance of internal flooding at PINGP
PROD00019378	Evaluation of interactions associated with HELB
PROD00019379	5/7/2010 email from R. Rohrer to D. ketterling and others at Xcel re: Status of SDP project for PINGP Turbine Building internal flooding
PROD00019380	Draft re: Turbine Flooding Open Items - Significance Determination
PROD00019381	5/5/2010 email from R. Rohrer to D. Potter and others at Xcel re: Possible retention of Intertek-Aptech to evaluate pipe interactions to bolster HELB screening methods
PROD00019382	5/4/2010 email from M. Davis to dl-pi-regulatory and others at Xcel meeting with NRC re: turbine internal flooding
PROD00019383	Summary of 5/3/2010 discussion with NRC staff re: Turbine Building internal flooding
PROD00019384	5/3/2010 letter from NRC to PI re: Unanalyzed condition due to postulated high energy line break on cooling water system
PROD00019385	5/1/2010 email from J. Kempes to B. Churchill and others at Xcel re: HELB compensatory measures on Unit 1
PROD00019386	5/1/2010 email from T. Rodney to B. Slack re: Contract with AES for HELB design basis
PROD00019387	4/3/2010 email from D. Ohkawa @ Westinghouse to B. Slack and J. Rausch re: Definition of HELB break
PROD00019388	3/22/2010 Prairie Island Drawing Request originated by Brian Slack re: Updating HELB Locations and removing specific crack locations
PROD00019389	4/27/2010 email from S. Skoyen to T. Roddey and others at Xcel re: Comments on 95001 Action and Resource Plan
PROD00019390	Prairie Island CC HELB 95001 Inspection Preparation and Staffing Plan re: Inspection beginning week of 5/24/2010
PROD00019391	4/27/2010 email from A. Killinger (MPR Associates Engineering) to V. Kelly re: Proposal to complete work re: Operation of Unit 1 EDGs in a HELB Environment
PROD00019392	4/27/2010 proposal of MPR Associates re: Proposal for Evaluating the Impact of a High Energy Line Break on EDG Performance
PROD00019393	Review of sensitivity study provided by Advent Engineering re: Wall thickness in the turbine building

Document Number	Description
PROD00019394	5/26/2010 email from M. Meyer to R. Hansen and S. Baird re: Acceptable HELB Barrier
PROD00019395	3/17/2010 report re: Fire Protection Sprinkler Actuation Flow Rates as a Result of HELB
PROD00019396	4/26/2010 email from J. Ritter to B. Slack re: Definition of Main Feed Line Breaks in Turbine Building
PROD00019397	1/18/2010 email from J. Beartman to J. Ritter re HELB flooding simulation
PROD00019398	V.SPA.10.001- Simulator Runs for Turbine Building HELB Flood Design Basis Operability Recommendation Operator Action Validation
PROD00019399	12/4/2009 email from D. Potter to J. Ritter and others at Xcel re: Preliminary numbers from simulator runs for HELB Flooding Action
PROD00019400	Preliminary numbers from simulator runs for HELB Flooding Action
PROD00019401	4/13/2010 Evaluation of Flooding Times and Flow Rates Prior to April 2009
PROD00019402	Turbine Building Flooding Open Items - Significance Determination
PROD00019403	3/13/2010 Evaluation of HELB Effects from Heater Drain Piping for Significance Determination
PROD00019404	4/13/2010 email from D. Lambert to B. Slack and others at Xcel re: Diesel combustion air intake and exhaust during a HELB event in the Turbine Building
PROD00019405	4/7/2010 email from R. Rohrer to B. Slack and others at Xcel and R. Dremel at maracor.com re: Calculation for room heatup of battery and switchbreak lines and applicability to HELB events
PROD00019406	4/7/2010 email from J. Ritter to R. Rohrer re: Update on Turbine Building HELB Probabilistic Risk Assessment Evaluation
PROD00019407	Design Review Checklist titled "Inputs to Turbine Building GOTHIC Model for HELB Analysis / rev. 1"
PROD00019408	Design Review Comment Form - Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00019409	Design Review Checklist - Turbine Building HELB Surface Areas and Flow Paths / Rev 0B
PROD00019410	PINGP Calculation titled Turbine Building HELB Surface Area & Flow Paths
PROD00019411	3/30/2010 letter from R. Sitel to R. Rohrer re: HVAC System Ductwork Subject to HELB
PROD00019412	Chart depicting Turbine Building Ventilation
PROD00019413	Design Review Checklist - Inputs to Turbine Building Gothic Model for HELB Analysis / Rev. 1
PROD00019414	3/31/2010 PINGP Calculation titled Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00019415	Calculation Signature Sheet titled Turbine Building GOTHIC Model for HELB Analysis
PROD00019416	Calculation Signature Sheet titled Turbine Compartment HELB Surface Areas and Flow Paths
PROD00019417	3/26/2010 PINGP Calculation titled Turbine Building HELB Surface Areas and Flow Paths
PROD00019418	Calculation Signature Sheet titled Turbine Compartment HELB Surface Areas and Flow Paths
PROD00019419	3/25/2010 email from R. Rohrer to J. Loeffler and others at Xcel re: Recommended plan for addressing questions assigned to J. Loeffler regarding NRC questions on the Turbine Building Flooding SDP
PROD00019420	3/24/2010 email from G. Hosttetter of Adventen Engineering to B. Slack and K. Oshanski re: First Two Turbine Building HELB Output Calculations

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PROD00019421	3/24/2010 email from R. Rohrer to B. Slack and others at Xcel re: Swithgear Room Heatup for Turbine Building Flooding Event
PROD00019422	3/22/2010 Design Review Comment Form titled Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00019423	Actions / Requests / Questions originating from NRC-SRA Meeting of 3/9 - 3/10/2010
PROD00019424	3/19/2010 email from R. Rohrer to S. Skoyen and others at Xcel, R. R. Dremel and R. Sharpe at Maracor, D. Moore at dlmooreconsulting, and T. Adams at Vesca re: Options in response to NRC's schedule for processing the turbine Building internal flooding deficiency
PROD00019425	3/18/2010 revision of Actions / Requests / Questions from 3/9/2010 -3/10/2010 from NRC-SRA Meeting
PROD00019426	2/18/2009 Design Review Comment Form titled Evaluation of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00019427	HELB Impact to turbine Control for Operating Agreement
PROD00019428	3/11/2010 Engineering Evaluation of Advent Engineering titled Battery Rooms 11, 12. 21 and 22 and Bus Rooms 15, 16, 111, and 121 Room Heat-Up Evaluations with Loss of HVAC for Probabilistic Risk Assessment
PROD00019429	3/10/2010 email from G. Hostettler of Advent Engineering to J. Ritter and others at Xcel re: Meeting to discuss addressing the Turbine Ventilation System during a Turbine Building HELB Event
PROD00019430	3/8/2010 email from J. Ritter to G. Hostetter at Advent engineering and others at Xcel re: Resolution of HELB/Flooding Issue
PROD00019431	Design review comment form: "Determination of Habitability Time in Turbine building after HELB Scenarios that cause flooding."
PROD00019432	02/17/2009 Evaluation to determine flood heights in units 1&2 under various scenarios including HELB and Seismically initiated events
PROD00019433	E-mail chain between Greg Hostetter(gmh@adventengineering.com) and B. Slack re comments on ENG-ME-708, including HELB
PROD00019434	Letter to B Slack from AV Seltur at Automated Engineering Services Corp. Proposal to develop a safety related document for the PI HELB licensing and design bases
PROD00019435	03/01/10 letter from AV Setlur to B Slack - Proposal to perform structural qualification of D1/D2 EDG intake duct for HELB pressure in the turbine building
PROD00019436	02/26/2010 Plan to revise the turbine compartment HELB compartment volumes (resolution to CAP 01202820).
PROD00019437	Calculation signature sheet, design review checklist, walk down data sheet, and computation sheet, for turbine building HELB compartment volumes
PROD00019438	Design review checklist for turbine building HELB compartment volumes
PROD00019439	2/26/10 Design review comment form for turbine building HELB compartment volumes
PROD00019440	ENG-CS-168 Calculation signature sheet for turbine compartment HELB compartment volumes
PROD00019441	03/01/2010 letter from Michael Wylie of Advent Engineering to B Slack re: analysis of the D1/D2 ventilation air intake duct

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PROD00019442	02/26/2010 email chain from Greg Hostetter (gmh@aventnegineering.com) to B Slack re the D1/D2 intake air duct
PROD00019443	02/26/10 e-mail from Greg Hosetter (GMH@adventengineering.com) to B Slack re: request for proposal to qualify D1/D2 intake air duct to include HELB
PROD00019444	Response to question #8 - "What is the licensing basis assumption of how close the pipes need to be to assure HELB interaction happens?"
PROD00019445	02/26/2010 e-mail from Greg Hostetter (GMH@adventengineering) to B Slack re HELB project changes
PROD00019446	ENG-ME-758 - Evaluation of HELB target flow rates in the turbine building
PROD00019447	Attachment to e-mail dated 01/11/2010 from R. Rohrer to B. Slack. Action item list for HELB induced flooding
PROD00019448	01/07/2010 email from R. Rohrer to D. Kettering et al re: AES combined Stress Analysis needed for HELB flooding project
PROD00019449	1/7/2010 E-mail from D. Potter to J. Ritter et. al. Results of a simulator run to determine length of time to locate & close valves, then to call control room.
PROD00019450	01/04/2010 e-mail from J Ritter to D Potter et al. Survey results on length of to enter the turbine building following a HELB.
PROD00019451	01/04/2010 - internal flood update chart
PROD00019452	12/27/2007 email from B Slack to M Petitclair, regarding the HELB sections of the QF-0515A form
PROD00019453	10/04/2007 DBD Change notice clarifying steam exclusion door design basis.
PROD00019454	01/15/2008 e-mail from B Slack to Greg Hostetter (gmh@adventengineering.com) discussing a HELB analysis
PROD00019455	01/22/2008 email from B Slack to S Scott . Request to validate the design input for the radiological accident analysis
PROD00019456	01/22/2008 email from B Slack to R Harris discussing HELB
PROD00019457	03/13/2008 Turbine building HELB analysis closeout document
PROD00019458	01/30/2008 email from B Slack to S Myers and P Bent re HELB calculations
PROD00019459	01/30/2008 e-mail from B Slack to L Wagner discussing HELB breaks
PROD00019460	Operator Rounds Data 12/05/2007 Safety inspection - Residual heat removal pumps and suction
PROD00019461	Operator Rounds Data 11/01/2007 - Train A Safety Injection Quarterly Test
PROD00019462	Operator Rounds Data - 12/13/2007 - Train B Safety Injection Quarterly Test
PROD00019463	Operator Rounds Data - 10/31/2007 - Residual Heat Removal Pumps and Suction safety data
PROD00019464	Operator Rounds Data 01/02/2008 Residual Heat Removal Pumps and Suction
PROD00019465	01/24/2008 - Operator Rounds Data Safety Injection Pumps Test
PROD00019466	12/05/2007 - Operator Rounds Data Safety Injection Pump Test
PROD00019467	01/23/2008- Operator Rounds Data, Residual Heat Removal Pumps and Suction
PROD00019468	02/07/2008 email from B Slack to RICHARD.C.LINDBERG@sargentlundy.com Re: downstream wear evaluation.
PROD00019469	02/06/08 email from B Slack to J Thout re RHR pump seals and their leakage rates

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PROD00019470	02/06/2008 email form B Slack to D Vincent re adding information to the licensing basis
PROD00019471	GL 2004-02 PINGP Supplemental Response to the NRC
PROD00019472	02/11/2008 email from B Slack to RICHARD.C.LINDBERG@sargentlundy.com regarding downstream wear evaluation
PROD00019473	SI pump gaps
PROD00019474	GSI-191 Debris Monitoring Program
PROD00019475	09/21/2006 PINGP Safety Calculations
PROD00019476	02/19/2008 email from B Slack to J Thuot re HELB in the turbine building
PROD00019477	01/14/2008 PINGP Engineering Evaluation: In-Vessel downstream effects evaluation in support of GSI-191, supplemental response
PROD00019478	02/28/2008 email from B Slack to D Vincent responding to questions on GL 2004-02 Supplemental Response
PROD00019479	02/27/2008 Email from B Slack to D Vincent re control of aluminum in containment
PROD00019480	03/06/2008 Email from B Slack to M Staley et al re RHR pump recirculation mission time
PROD00019481	03/04/2008 Email from B Slack to G Hostetter discussion of the auxiliary building HELB model
PROD00019482	PINGP Calculation regarding evaluation of downstream effects- reactor vessel internals and nuclear fuel
PROD00019483	PINGP Calculation - Evaluation of Downstream Effects Reactor Vessel Internals and Nuclear Fuel- Attachment 5
PROD00019484	2007 Additional Guidance for Modeling Post-LOCA Core Deposition with LOCADM- Westinghouse
PROD00019485	2008 Supplemental Response to NRC Generic Letter 2004-02 evaluation of downstream effects in components and systems and downstream effects in the fuel and vessel
PROD00019486	2008 Supplemental Response to NRC Generic Letter 2004-02 regarding downstream effects in components and systems and downstream effects in the fuel and vessel
PROD00019487	3/19/2008 email from B. Slack to S. Myers regarding HELB reanalysis
PROD00019488	3/14/2008 letter from D. Horvath to B. Slack regarding Gothic Re-analysis of Aux Bldg HELBS
PROD00019489	3/18/2008 Engineering Assistance Request regarding Auxiliary Building High Energy Line Break Analysis
PROD00019490	Downstream Effects Analysis ECCS Inputs and Assumptions
PROD00019491	3/12/2008 email from B. Slack to S. Myers regarding HELB extension
PROD00019492	2008 Supplemental Response to NRC Generic Letter 2004-02 (Enclosure) regarding downstream effects in components and systems; downstream effects in the fuel and vessel
PROD00019493	4/4/2008 letter from D. Horvath to B. Slack regarding GOTHIC Input Calc for the Turb Bldg HELB Analysis
PROD00019494	3/27/2008 PINGP Calculation regarding evaluation of downstream effects- emergency core cooling systems
PROD00019495	2007 Performance Management and Employee Development Plan
PROD00019496	3/24/2008 PINGP Calculation regarding Evaluation of Downstream Effects- Emergency Core Cooling Systems
PROD00019497	3/14/2008 PINGP Calculation regarding determination of allowable latent debris inside containment
PROD00019498	3/24/2008 PINGP Calculation Evaluation of Downstream Effects-Emergency Core Cooling Systems

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PROD00019499	50.59 Screening regarding debris transport to containment sump, debris generation calculation, and sump debris size distribution and filter efficiency
PROD00019500	4/29/2008 email from B. Slack to C. Sansome regarding HELB analysis for the Aux bldg and boundary leakage
PROD00019501	10/16/2000 GOTHIC Results for High-Energy Line Breaks in the PI Auxiliary Building- Calculation Sheet
PROD00019502	4/22/2008 email from B. Slack to J. Donatell regarding design basis of ZE system
PROD00019503	4/21/2008 email from B. Slack to R. Peterson and others at Xcel regarding ZE system downgrade and HELB analysis.
PROD00019504	12/20/1999 PINGP Calculation ENG-ME-357 re: Appendix I - High Energy Line Breaks - Break Location Selection
PROD00019505	11/12/2004 Automated Engineering Services Corp. Calculation Package re: PINGP Input to HELB Analysis of the Fuel Handling Side of the Auxiliary Building
PROD00019506	5/13/2008 email from B. Slack to G. Hostetler re: analysis of a tornado's impact on PI blow out panels
PROD00019507	5/12/2008 email from B. Slack to C. Agan re: Aux bldg/Turb bldg blow out panels in HELB analysis
PROD00019508	7/27/2007 Automated Engineering Services Corp. Calculation Package re: PINGP Units 1 & 2 Tornado-Induced Depressurization of Prairie Island Structures
PROD00019509	3/28/2007 email from J. Kivi to avsetlun@aesengineering.com re: Prairie Island Licensing Basis Review with attached study on Appropriate Application of Tornado Loads to Concrete Masonry Block Walls
PROD00019510	NMC 50.59 Screening: PINGP Containment Sump B Strainer Replacement
PROD00019511	5/27/2008 email from B. Slack to K. Gadient and K. Kreisel re: Aux. & FH Bldg Blow-Out Panels and Siding and tornado analysis
PROD00019512	5/21/2008 Advent Engineering Services, Inc. report re: PINGP Auxiliary/Fuel Handling Building Blow-In/Blow-Out Panels & Galvanized Siding
PROD00019513	5/5/2008 email from B. Slack to C. Agan re: HELB Leakage Crack at Most Adverse Location
PROD00019514	5/1/2008 email from B. Slack to J. Donatell re: Qlist Downgrade of ZE System Meeting Notes and HELB line break
PROD00019515	6/24/2008 email from B. Slack to K. Vincent re: Graph Examples of temperature during a High Energy Line Break
PROD00019516	6/23/2008 email from B. Slack to K. Vincent re: HELB temperature graphs
PROD00019517	HELB temperature graph
PROD00019518	6/16/2008 PINGP Calculation re: Appendix I - High Energy Line Breaks - Break Location Selection
PROD00019519	6/16/2008 PINGP Calculation re: Appendix I - High Energy Line Breaks - -Break Location Selection
PROD00019520	5/13/2008 PINGP Calculation re: Stress Plots for High Energy Piping Systems
PROD00019521	6/18/2008 email from B. Slack to A. Bierbrauer re: HELB analysis
PROD00019522	Request for Phased Approval (RPA) re: Turbine Building HELB Analysis
PROD00019523	6/11/2008 email from B. Slack to C. Agan re: HELB break selection calculation
PROD00019524	Request for Phased Approval (RPA) re: Turbine Building HELB Analysis

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PROD00019525	NMC 50.59 Screening re: Stress Plots for High Energy Piping Systems
PROD00019526	7/31/2008 email from B. Slack to J. Kivi re: Draft Text for Event Notification Worksheet re: HELB break in Turbine Building
PROD00019527	6/10/2008 Request for Phased Approval: Turbine Bldg HELB Analysis
PROD00019528	6/10/2008 Request for Phased Approval Turbine Bldg HELB Analysis
PROD00019529	Auxiliary Building DBD Revisions (DBD STR-02)
PROD00019530	8/26/2008 Email to B. Slack from G. Hostetter re: calc for CR leakage
PROD00019531	8/26/2008 Email from B. Slack to G. Hostetter re: 900 calculation for CR Leakage
PROD00019532	9/29/2008 draft of letter from M. Wadley to U.S. Nuclear Regulatory Commission re: component cooling water system susceptibility to a high energy line break
PROD00019533	Implementation of New Containment Recirculation Sump Licensing Basis Requirements
PROD00019534	Implementation of New Containment of Recirculation Requirements
PROD00019535	10/4/2008 Email from B. Slack to G. Hostetter re leakage calc, HELB compartments
PROD00019536	10/2/2008 Email from B.Slack to S. Myers re: OE document HELB assumptions
PROD00019537	10/2/2008 Email from B. Slack to S. Schaefer re: HELB drawings and calculation
PROD00019538	1/4/2008 Email from B. Slack to L. Sueper & J. Anderson re PINGP Component Cooling Water HELB licensing issue update
PROD00019539	1/28/2008 Email from Thomas Kendall at FPL to B. Slack re timeframe for ending high head recirculation
PROD00019540	1/28/2008 Email from B. Slack to D. Smith & C. Sansome re recirculation & boric acid precipitation
PROD00019541	Response from B. Slack on 3/13/2009 to NRC Question Response Form dated 11/5/2008
PROD00019542	2/3/2009 email from B. Slack to C. Agan and others at Xcel re safety related evaluation of jet impingement on CC piping
PROD00019543	1/28/2009 B. Slack Response to NRC Question Response Form dated 11/05/2008
PROD00019544	Response from B. Slack on 01/28/2009 to NRC Question Response Form dated 11/05/2008
PROD00019545	Response from B. Slack on 1/28/2009 to NRC Question Response Form dated 11/05/2008
PROD00019546	Response from B. Slack on 01/28/2009 to NRC Question Response Form dated 11/5/2008
PROD00019547	01/28/2009 Memo from B. Horner to S. Northard re status of HELB/CC piping
PROD00019548	question response form Turbine Bldg CC system
PROD00019549	Letter proposal from AES to Marc Meyer dated 3/3/2006 concerning CC piping project
PROD00019550	email concerning turbine bldg HELB/CC Sdp update dated 1/15/2009
PROD00019551	email concerning turbine bldg helb/cc sdp update 1/13/2009
PROD00019552	email from AES 1/12/2009 on HELB Impact on CC piping in TB
PROD00019553	email from AES 1/12/2009 - Seismic level eval CC in the TB
PROD00019554	CC HELB interaction structural analysis request for approval
PROD00019555	CC HELB interaction structural analysis request for approval 2/20/2009

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PROD00019556	email 1/26/2009 - turbine bldg HELB/CC SDP update
PROD00019557	Information for PI CC lines
PROD00019558	AES write up on TB HELB calculations
PROD00019559	NRC question response form re: TB cooling component system
PROD00019560	email - AES TB sens study discussion 2/12/2009
PROD00019561	email - AES TB Sens Study discussion 2/12/2009
PROD00019562	email - AES TB Sens Study discussion 2/11/2009
PROD00019563	study approval - CC Piping in the TB - CC HELB interaction structural analysis
PROD00019564	AES progress report on Analysis of CC/FW/CD Lines in the TB 1/30/2009
PROD00019565	3/3/2009 Email from B. Slack to C. Agan re HELB and Licensing Basis
PROD00019566	3/4/2009 Email from B. Slack to C. Agan re HELB and Licensing Basis
PROD00019567	3/4/2009 Email from B. Slack to S. Ford re Inability to Complete HELB-related OE Action
PROD00019568	3/1/2009 Open OE Action Status Report
PROD00019569	3/4/2009 Email from B. Slack to G. Hostetter re Requirements for TB Boundary Leakage Analysis
PROD00019570	3/2/2009 Email from B. Slack to G. Lenertz re HELB Analysis Boundary Leakage Calculations and Inclusion in USAR
PROD00019571	2/27/2009 Email from B. Slack to B. Horner re TB HELB CC Update
PROD00019572	2/23/2009 Email from B. Slack to R. Sitek re Meeting to Discuss HELB Requirements related to Control Room Dampers
PROD00019573	Draft Flow Element Review Chart
PROD00019574	3/13/2009 Email from B. Slack to K. Kriesel et al re CC Piping and TB HELB
PROD00019575	3/12/2009 Email from B. Slack to D. Malek re Inclusion of Pipe on HELB Line List
PROD00019576	3/12/2009 Letter from M. Wylie, Advent Engineering Services, Inc., to B. Slack re Proposal for GOTHIC Modeling to Support CC System HELB Operability Determination
PROD00019577	3/12/2009 Email from B. Slack to L. Seidling et al re Additional Leakage Locations for List
PROD00019578	3/11/2009 Email from B. Slack to G. Hostetter re List of Cracks and Breaks to be Included in CC HELB Study
PROD00019579	3/11/2009 Email from B. Slack to G. Hostetter re Standards of Equipment and Applicability to HELB
PROD00019580	3/27/2009 Email from B. Slack to S. Scott re HELB Licensing Basis
PROD00019581	3/27/2009 Email from B. Slack to G. Hostetter re Specifications for Pipe Testing
PROD00019582	3/26/2009 Email from B. Slack to D. Setlur & C. Agan re Creation of HELB Program Document
PROD00019583	3/26/2009 Email from B. Slack to G. Hostetter re HELB Calculations and Break Locations for M&E Report
PROD00019584	3/19/2009 Email from B. Slack to D. Aument re Location of Steam Lines Relative to CC Lines
PROD00019585	3/19/2009 Email from B. Slack to G. Hostetter re Compressor Flowrates for TB HELB Study
PROD00019586	3/18/2009 Email from B. Slack to D. Aument re Location of Steam Lines Relative to CC Lines
PROD00019587	3/18/2009 Email from B. Slack to K. Vincent re Procedure for Door Seal Issues and Allowable Leakage

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PROD00019588	3/18/2009 Email from B. Slack to J. Ritter & W. Scholberg re Location of Piping near the CC/HELB Pipe Whip Areas
PROD00019589	3/18/2009 Email from B. Slack to W. Scholberg re Discussion of FP, CL and CC Systems Interaction
PROD00019590	3/17/2009 Email from B. Slack to D. Henry & D. Setlur re Jet Impingement Calc and Leakage Crack Frequency
PROD00019591	3/13/2009 - Design Review Comment Form: Evaluation of the Effects of Jet Impingement on CC Piping in the TB
PROD00019592	3/16/2009 Email from B. Slack to D. Setlur re Safety Classification of Jet Impingement and CC Piping Calculations
PROD00019593	3/16/2009 Email from B. Slack to W. Scholberg re Classification of HELB Component Cooling Issue
PROD00019594	3/16/2009 Email from B. Slack to W. Scholberg re Classification of HELB Component Cooling Issue
PROD00019595	4/7/2009 Email from B. Slack to S. Meyers re CAP Actions Related to HELB
PROD00019596	4/7/2009 Email from B. Slack to S. Meyers re HELB Project Update
PROD00019597	Undated PowerPoint document re HELB Project Update
PROD00019598	Undated HELB Project Update
PROD00019599	4/7/2009 Email from B. Slack to S. Ford re Moving Forward with HELB Project
PROD00019600	4/6/2009 Email from B. Slack to J. Ritter re Effects of Jet Impingement and CC Piping
PROD00019601	4/6/2009 Email from B. Slack to J. Ritter re Effects of Jet Impingement and CC Piping
PROD00019602	4/6/2009 Email from B. Slack to J. Ritter re Effects of Jet Impingement and CC Piping
PROD00019603	4/6/2009 Email from B. Slack to J. Ritter re Effects of Jet Impingement and CC Piping
PROD00019604	4/6/2009 Email from B. Slack to J. Ritter re Effects of Jet Impingement and CC Piping
PROD00019605	4/23/2009 Email from B. Slack to J. Ritter re Discussion of Report Describing Interactions between CC / CL / HELB
PROD00019606	Report on Interactions Between High Energy Piping and Cooling Water (CL) That Also Affect Component Cooling (CC)
PROD00019607	4/23/2009 Email from B. Slack to W. Scholberg re CAP Procedure
PROD00019608	4/22/2009 Email from B. Slack to J. Hill re Outside Containment HELB Mass & Energy Release Calculations
PROD00019609	Documentation of All Interactions Between High Energy Piping and Cooling Water (CL) That Also Affect Component Cooling (CC)
PROD00019610	4/21/2009 Email from B. Slack to J. Ritter & D. Malek re Potentially Broken FP and CL Pipes in the Turbine Building
PROD00019611	4/21/2009 Email from B. Slack to J. Ritter & D. Malek re: Potentially Broken FP and CL Pipes in the Turbine Building
PROD00019612	4/16/2009 Email from B. Slack to R. Best re Clarification of Location of Deaerating Steam Line Causing CC Issues
PROD00019613	4/13/2009 - Engineering Change Report: Evaluation of the Effects of HELB Jet Impingement on CC Piping in the Turbine Building
PROD00019614	Blueprint/Diagram of Feedwater Unit 1, Piping Iso Cooling Water, Condensate Piping - Turbine Building

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PROD00019615	Drawing - Interaction between HELB and CL
PROD00019616	Blueprint/Diagram - Piping Iso Cooling Water
PROD00019617	5/13/2009 - Design Information Transmittal related to HELB and Pipe Whip
PROD00019618	5/26/2009 Email from B. Slack to S. Myers re HELB Program Changes and Calculations
PROD00019619	5/11/2009 email from Brian Slack to Sean Ford re: HELB volumes and input calculations
PROD00019620	5/11/2009 email from Brian Slack to Jayne Ritter re: HELB pipe breaks in the Turbine Building
PROD00019621	5/7/2009 email from Brian Slack to Sean Ford re: HELB pipe breaks and flooding in the Turbine Building
PROD00019622	HELB flooding program evaluation between NRC and Xcel
PROD00019623	5/6/2009 Request For Phased Approval (RPA) re: Turbine building and HELB analysis
PROD00019624	5/5/2009 email from Brian Slack to Dave Carlstrom re: no leakage through the door seals from HELB
PROD00019625	6/18/2009 email from Brian Slack to Rick Rohrer and others re: Safety, HELB and pipe strength conference call with AES/MPR
PROD00019626	6/17/2009 email from Brian Slack to Dave Malek and others re: Safety and pipe strength concerns of the NRC
PROD00019627	Summary chart of HELB piping interactions on cooling water piping
PROD00019628	Summary chart of HELB piping interactions on cooling water piping
PROD00019629	6/17/2009 email from Brian Slack to Dave Malek re: NRC response to cooling water line/pipe break
PROD00019630	Summary chart of HELB piping interactions on cooling water piping
PROD00019631	Summary chart of HELB piping interactions on cooling water piping
PROD00019632	Chart with summary of CC-HELB piping interactions on cooling water piping
PROD00019633	6/2/2009 letter from MPR Associates to Brian Slack re: analysis of 3 HELB configurations in the Prairie Island turbine building
PROD00019634	5/29/2009 letter from AES Corp to Brian Slack re: proposal to perform a safety related jet impingement analysis of two water lines in the turbine building
PROD00019635	6/3/2009 letter from AES Corp to Brian Slack re: proposal to perform a safety related analysis of two water lines in the turbine building
PROD00019636	6/15/2009 email from Brian Slack to Chris Lasiel at Sargent Lundy re: AES calculations and design descriptions of turbine room
PROD00019637	6/15/2009 email from Brian Slack to Chris Lasiel at Sargent Lundy re: AES calculations and design descriptions of turbine room
PROD00019638	6/15/2009 email from Brian Slack to Richard Lindberg at Sargent Lundy re: calculations and design descriptions of turbine room
PROD00019639	6/5/2009 email from Brian Slack to Jayne Ritter and others re: HELB calculations and design descriptions of turbine room
PROD00019640	HELB calculations and flooding effects w/chart
PROD00019641	6/5/2009 email from Brian Slack to Jeff LeClair re: HELB damper calculations and design
PROD00019642	6/5/2009 email from Brian Slack to Jeff LeClair and others re: HELB damper calculations and design

Document Number	Description
PROD00019643	6/2/2009 letter from MPR Associates to Brian Slack re: HELB configuration and analysis in the turbine building
PROD00019644	6/3/2009 email from Brian Slack to Jayne Ritter and others re: HELB configuration and safety with line break analysis and jet impingement
PROD00019645	6/3/2009 email from Brian Slack to Jayne Ritter and others re: HELB configuration and safety with line break analysis and jet impingement
PROD00019646	7/24/2009 Email from B. Slack to D.Setlur re Performance of combined stress analysis on Unit 1 with consideration of HELB
PROD00019647	7/24/2009 Email from B. Slack to J. Hill re Revision of the HELB analysis in response to new mass and energy release calculations for line breaks outside of containment
PROD00019648	7/23/2009 Email from B. Slack to W. Scholberg re progress on evaluation of HELB flooding efforts
PROD00019649	7/22/2009 Letter from W. Scholberg to D. Potter presenting draft report for actions to keep turbine building doors open in the case of a flood
PROD00019650	7/21/2009 Email from B. Slack to J. Curnyn of AES Engineering re back leakage calculations for the reactor containment system
PROD00019651	7/20/2009 HELB flooding walkdown notes
PROD00019652	7/8/2009 Evaluation of potential interactions between high energy piping and unlimited water sources in the turbine building
PROD00019653	7/17/2009 Email from B. Slack to G. Hostetter re schedule for completing HELB
PROD00019654	7/14/2009 Email from B. Slack to E. Bird re deformation of nozzles of the cooling water line
PROD00019655	7/13/2009 Email from B. Slack to D. Potter re flooding and HELB
PROD00019656	7/10/2009 Email from B. Slack to D. Potter and other engineers of PINGP re possible solutions to flooding at turbine building
PROD00019657	7/13/2009 Email from B. Slack to E. Bird re modeling cooling line deformation upon impact
PROD00019658	Drawing described in parent email as sketch of cooling line relative to feed water line
PROD00019659	7/9/2009 Email from B. Slack to J. Nestell of MPR Associates regarding proposal for HELB work modeling damage due to pipe whip of feed water line
PROD00019660	7/9/2009 Email from B. Slack to J. Ritter re stress analysis on the feed water, component cooling, and cooling line interaction
PROD00019661	7/9/2009 Email from B. Slack to D. Setlur re proposal for stress analysis on Unit 1 feed water piping to eliminate breaks
PROD00019662	7/9/2009 Design Input Consultation Form discussing HELB analysis and maximum room temperature
PROD00019663	7/8/2009 Email from B. Slack to D. Potter re likelihood of striking cooling component and cooling line
PROD00019664	7/8/2009 Email from B. Slack to J. Nestell of MPR Associates regarding piping arrangements and likelihood of striking cooling component and cooling line
PROD00019665	1/9/1970 drawing of Piping ISO Cooling Water
PROD00019666	12/2/1974 Drawing of Component Cooling Water

Document Number	Description
PROD00019667	12/2/1974 Drawing of Component Cooling Water
PROD00019668	Sketch of interaction of cooling component with piping
PROD00019669	7/8/2009 Email from B. Slack to S. Ford re HELB analysis relating to pipes versus valves
PROD00019670	7/8/2009 Email from R. Ray to Mechanical Engineers re e-conference to discuss progress on the HELB/CC response.
PROD00019671	7/8/2009 Email from B. Slack to D. Potter re HELB jet impingement
PROD00019672	7/7/2009 Email from B. Slack to D. Setlur re HELB jet impingement
PROD00019673	7/7/2009 Email from B. Slack to D. Setlur re stress analysis that includes consideration of jet impingement
PROD00019674	7/6/2009 Email from B. Slack to R. Rohrer of Xcel re HELB measures
PROD00019675	7/6/2009 Email from B. Slack to S. Myers re CAP and operability determination and parameters for HELB analysis
PROD00019676	7/6/2009 Email from B. Slack to D. Malek re pipe whip evaluation
PROD00019677	6/30/2009 Email from B. Slack to S. Gabor re obtaining additional information about interview requested by NRC re HELB/CC CAP
PROD00019678	6/29/2009 Email from B. Slack to A. Bierbrauer re HELB nonconformance
PROD00019679	6/29/2009 Request for Phased Approval
PROD00019680	8/25/2009 Email from B. Slack to W. Scholberg re HELB/flooding
PROD00019681	7/29/2009 PINGP calculation: Determination of HELB/Flooding interactions in the turbine building
PROD00019682	7/29/2009 Turbine building HELB/Flooding interactions data
PROD00019683	8/19/2009 PINGP Calculation: Appendix I - High energy line breaks - Break location selection
PROD00019684	8/25/2009 Email from B. Slack to W. Scholberg re reference for the HELB selection
PROD00019685	8/25/2009 Walkdown notes - Attachment 1of Calculation ENG-ME-732
PROD00019686	7/29/2009 Email from B. Slack to S. Ford and S. Myers re attached proposal to perform stress analyses for HELB and plans for design basis flooding analysis
PROD00019687	7/29/2009 Letter from A. Setlur to B. Slack re Proposal to perform HELB analysis of Unit 1 FW line from FW Pumps to the 15 A/B FW Heaters and CD Lines to FW Pumps
PROD00019688	8/25/2009 Email from B. Slack to R. Rohrer re proposal from AES Engineering to perform HELB analysis
PROD00019689	7/29/2009 Letter from A. Setlur to B. Slack re Proposal to perform HELB analysis of Unit 1 FW line from FW pumps to the 15A/B Heaters and CD lines to FW pumps
PROD00019690	5/2009 Employee Performance report of B. Slack under the Performance Management & Employee Development Plan
PROD00019691	8/20/2009 Email from B. Slack to D. Setlur re diagram for HELB calculations
PROD00019692	8/20/2009 Email from B. Slack to H. Hehls re approval of GAR tracking updates to HELB calculations
PROD00019693	8/20/2009 Email from B. Slack to C. Agan re revision to HELB flooding report
PROD00019694	8/19/2009 Appendix I - High energy line breaks - break location selection - preliminary draft
PROD00019695	8/19/2009 Email from B. Slack to W. Scholberg re HELB/flooding calculations

Document Number	Description
PROD00019696	8/18/2009 Email from B. Slack to B. Moenkedick re prioritization of backlogged engineering projects
PROD00019697	8/18/2009 Tabulated list of projects being overseen by B. Slack
PROD00019698	8/18/2009 Email from B. Slack to R. Mohr re HELB timeline proposed by plant health committee
PROD00019699	8/18/2009 Email from B. Slack to M. Huting re history of funding HELB project
PROD00019700	8/13/2009 Email from B. Slack to D. Potter re HELB and jet impingement
PROD00019701	8/13/2009 Email from B. Slack to J. Thuot re incorporating fire door impact to HELB calculations
PROD00019702	8/13/2009 Email from B. Slack to D. Potter cc K. Balakrishnan re air flow in cooling component for HELB analysis
PROD00019703	8/13/2009 Email from B. Slack to D. Potter re status of turbine building flooding calculations
PROD00019704	8/13/2009 Email from B. Slack to D. Malek re feedback on experience with PRA for modeling cooling component HELB
PROD00019705	7/29/2009 Email from B. Slack to D. Potter cc S. Ford re review of HELB calculations
PROD00019706	7/29/2009 Determination of HELB/flooding interactions in the Turbine Building: Calculation Signature Sheet prepared by B. Slack
PROD00019707	7/2009 Data inputs for HELB/flooding interactions
PROD00019708	7/2009 Attachment 1 for HELB calculations
PROD00019709	7/29/2009 Email from B. Slack to D. Hunt cc K. Knesel re fire damper and check damper response to seismic or HELB event
PROD00019710	7/29/2009 Email from B. Slack to D. Hunt cc K. Kriesel re HELB and seismic qualification of ducts for air compressor
PROD00019711	7/29/2009 Email from B. Slack to C. Agan re HELB project and seismic qualification of ducts/dampers of air compressor
PROD00019712	7/28/2009 Email from B. Slack to C. Sprout re HELB and new mass and energy release calculations
PROD00019713	7/28/2009 Email from B. Slack to C. Sprout re new mass and energy release calculations and HELB analysis
PROD00019714	9/24/2009 CAP regarding debris in cooling component system and loss of coolant accident
PROD00019715	9/22/2009 Apparent Cause Evaluation report by S. Myers re loss of coolant accident
PROD00019716	9/22/2009 Email from B. Slack to A. Annis cc J. Connors, T. Verbout re implementation of changes to cooling system sump pump/debris calculations
PROD00019717	9/22/2009 Email from B. Slack to A. Annis cc J. Connors re cooling system sump pump project
PROD00019718	9/22/2009 Email from B. Slack to D. Setlur re pipe stress analysis
PROD00019719	9/22/2009 Email from B. Slack to G. Hostetter re projects incorporating ventilation analysis
PROD00019720	9/22/2009 Email from B. Slack to J. Ritter cc K. Vincent re HELB inside containment versus HELB outside containment for environmental qualification
PROD00019721	9/21/2009 Email from B. Slack to PINGP engineers re Setlur's stress analyses for HELB/flooding project
PROD00019722	9/21/2009 Email from B. Slack to S. Ford re HELB/flooding meeting
PROD00019723	9/21/2009 Email from B. Slack to M. Vetting re HELB/flooding and revisions to ENG-ME-357

Document Number	Description
PROD00019724	9/21/2009 Email from B. Slack to PINGP engineers and S. Thomas of BV re sump pump past operability report
PROD00019725	9/20/2009 Sump B Past Operability Evaluation due to Latent Debris in Excess of Program Limits
PROD00019726	9/19/2009 EC14193 - Time-critical operator actions following a turbine building HELB
PROD00019727	9/19/2009 B. Slack's project prioritization list
PROD00019728	9/19/2009 Email from B. Slack to D. Potter re completing of supporting calculations for HELB model
PROD00019729	9/18/2009 PINGP calculation: Center aisle input for turbine building GOTHIC analyses
PROD00019730	9/17/2009 Email from B. Slack to S. Ford re action for review of the white finding report
PROD00019731	9/17/2009 Email from B. Slack to S. Adams re vent valves for CAP 1194159 and 1194184
PROD00019732	9/1/2009 PINGP calculation: Appendix I - High energy line breaks - break location selection
PROD00019733	8/31/2009 Position paper on miscellaneous vent and drain connections to high energy piping
PROD00019734	9/15/2009 PINGP Corrective Actions for Generic Letter 2004-02 - audit report
PROD00019735	6/1/2009 Letter from NRC to M. Wadley re PINGP Units 1 and 2 - Generic Letter 2004-02 Supplemental response
PROD00019736	2/28/2008 Letter from PINGP to NRC re Supplemental response to generic letter 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized Water Reactors"
PROD00019737	3/31/2008 Letter from PINGP to NRC re Supplemental response to generic letter 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors"
PROD00019738	2/28/2009 Letter from PINGP to NRC re Supplemental response to generic letter 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors"
PROD00019739	3/31/2008 Letter from PINGP to NRC re Supplemental response to generic Letter 2004-02
PROD00019740	9/14/2009 Email from B. Slack to L. Seidling re void and emergency cooling component system
PROD00019741	9/14/2009 GSI-191 Debris Monitoring Spreadsheet
PROD00019742	9/12/2009 Email from B. Slack to PINGP engineers re progress on turbine building HELB/flooding calculations
PROD00019743	9/12/2009 Email from B. Slack to S. Ford, P. Bent re HELB analysis OPR revisions
PROD00019744	9/11/2009 Email from B. Slack to K. DenHerder re spreadsheets for HELB analysis
PROD00019745	9/10/2009 Email from B. Slack to W. Scholberg re comments on OPR revisions
PROD00019746	9/10/2009 Operability Recommendation re modifications to turbine building roll-up doors with respect to HELB/flooding
PROD00019747	9/10/2009 Email from B. Slack to B. Karnowski re HELB condition and mode 5
PROD00019748	9/10/2009 Email from B. Slack to W. Scholberg re water level in turbine building and weather conditions
PROD00019749	9/10/2009 Email from B. Slack to W. Scholberg re compensatory actions in case of HELB/flooding
PROD00019750	9/10/2009 Email from B. Slack to W. Scholberg and other engineers re revisions to HELB operability report
PROD00019751	Operability recommendation re HELB flooding
PROD00019752	9/10/2009 Email from B. Slack to W. Scholberg and other PINGP engineers re HELB operability recommendations
PROD00019753	9/10/2009 Email from B. Slack to S. Ford cc D. Carisle re revisions to HELB operability recommendation

Document Number	Description
PROD00019754	Operability recommendation revision 5 re HELB flooding
PROD00019755	9/10/2009 Spreadsheet re calculations for operability recommendations re HELB flooding
PROD00019756	9/10/2009 Spreadsheet for operability recommendations re HELB flooding
PROD00019757	9/10/2009 Spreadsheets for operability recommendation re HELB/flooding
PROD00019758	9/9/2009 Xcel Energy 50.59 Screening: Modify Turbine Bldg Roll-Up Doors
PROD00019759	9/9/2009 Email from B. Slack to J. Curnyn of EAS Engineering re gas vent placement in ECCS to reduce voids
PROD00019760	9/9/2009 Email from B. Slack to S. Myers re opening security doors as a compensatory measure
PROD00019761	Operability Recommendation regarding evaluation for SDP in response to HELB
PROD00019762	8/31/2009 Position Paper on Miscellaneous Vent and Drain Connections to High Energy Piping by Brian Slack
PROD00019763	Turbine Building HELB/ Flooding Interactions document
PROD00019764	Turbine Building HELB Flooding Interactions
PROD00019765	Turbine Building HELB Flooding Interactions
PROD00019766	9/1/2009 PINGP Calculation- High Energy Line Breaks - Break Location Selection
PROD00019767	5/6/2009 Request for Phased Approval- Turbine Building HELB Analysis
PROD00019768	10/24/2009 email from B. Slack to S. Myers regarding HELB licensing basis requirements
PROD00019769	10/20/2009 email from D. Carlisle to L. Johnson and others at Xcel regarding CAP on HELB
PROD00019770	10/19/2009 email from B. Slack to M. Hopman regarding CAP on HELB and effect of temperatures on diesel output
PROD00019771	Pipe Break Timeline document
PROD00019772	50.59 Screening: Calculation Titles: Evaluation of Potential Hold-up Regions in Containment Evaluation of Downstream Effects-ECCS
PROD00019773	Draft for HELB CAPS
PROD00019774	9/14/2009 Sampling document regarding latent debris monitoring
PROD00019775	10/12/2009 email from B. Slack to P. Bent regarding TB flooding
PROD00019776	10/13/2009 PINGP Engineering Evaluation- Evaluation of Paint Chips Found in Reactor Vessel
PROD00019777	10/5/2009 Design Review Comment Form - High Energy Line Breaks Break Location Selection
PROD00019778	9/1/2009 PINGP Calculation-High Energy Line Breaks Break Location Selection
PROD00019779	12/2004 Pressurized Water Reactor Sump Performance Evaluation Methodology- safety evaluation
PROD00019780	12/2004 Pressurized Water Reactor Sump Performance Evaluation Methodology- safety evaluation
PROD00019781	5/27/2009 Letter from A. Seltur to B. Slack regarding proposal to develop a safety related document for the PI HELB Licensing and Design Bases
PROD00019782	Debris Monitoring Program
PROD00019783	10/6/2009 email from B. Slack to S. Ford regarding Waterhammer analysis and leakage
PROD00019784	10/5/2009 email from B. Slack to G. Hoestetter regarding safety evaluation for RHR pumps
PROD00019785	10/4/2009 email from B. Slack to G. Hostetter regarding HELB heat loads and sensitivity
PROD00019786	9/20/2009 SUMP B Operability Evaluation Due to Latent Debris in Excess of Program Limits

Document Number	Description
PROD00019787	11/20/2009 Position Paper on Loss of Offsite Power Assumptions for the HELB Analysis
PROD00019788	11/20/2009 email from B. Slack to J. Hill regarding Westinghouse document and HELB impacts due to EBU
PROD00019789	11/20/2009 email from B. Slack to J. Hill regarding Westinghouse document and HELB impacts due to EBU
PROD00019790	Turbine Building HELB/ Flooding Interactions Chart (270 pages)
PROD00019791	7/29/2009 PINGP Calculation: Determination of HELB Flooding Interactions in the Turbine Building
PROD00019792	Turbine Building HELB/ Flooding Interactions Chart
PROD00019793	Turbine Building HELB/ Flooding Interactions chart
PROD00019794	11/17/2009 email from B. Slack to D. Potter and others at Xcel regarding protopower protoflow analysis and safety related Calculation
PROD00019795	11/16/2009 email from B. Slack to J. Ritter regarding heat up calcs and HELB environment
PROD00019796	11/06/2009 PINGP Calculation regarding Center Aisle Input for Turbine Building Gothic Analyses
PROD00019797	11/13/2009 email from B. Slack to D. Vincent regarding containment sump issue
PROD00019798	11/12/200 email from B. Slack to D. Potter regarding flowchart of "flooding world"
PROD00019799	11/10/2009 Email from B. Slack to S. Myers, K. DenHerder & D. Smith with D. Potter cc'd re CL-HELB event timing
PROD00019800	5/13/2009 Calculation of Whipping High Energy Line Impact Velocity and Kinetic Energy prepared by MPR Associates
PROD00019801	11/10/2009 Email from B. Slack to D. Potter with R. Rohrer cc'd re HELB flowchart
PROD00019802	12/11/2000 NRC Information Notice 2000-20: Potential Loss of Redundant Safety-Related Equipment Because of the Lack of High-Energy Line Break Barriers
PROD00019803	11/10/2009 Email from B. Slack to D. Potter with W. Scholberg cc'd re new Battery room gaps
PROD00019804	Spreadsheet re Battery room gaps
PROD00019805	Operability Recommendation re determination that Loss of Offsite Power (LOOP) and single failure should be assumed concurrently
PROD00019806	CAP Draft: Potential CL system unanalyzed condition during HELB
PROD00019807	11/6/2009 Email from B. Slack to J. Ritter with S. Myers cc'd re Dry-run of turbine building HELB/Flooding on simulator
PROD00019808	11/6/2009 Email from B. Slack to G. Hostetter with K. Oshanski re Battery Rooms - Heat up calcs & HELB environment
PROD00019809	11/6/2009 Email from B. Slack to S. Ford & J. Hill with C. Sprout & L. Gunderson cc'd re Evaluation of new HELB crack locations
PROD00019810	11/6/2009 Email from B. Slack to J. Ritter, G. Hostetter & J. Connors with K. Oshanski cc'd re Battery rooms - heat up calcs & HELB environment
PROD00019811	11/5/2009 Email from B. Slack to M. Staley re room heat-up phase 3
PROD00019812	11/5/2009 Email from B. Slack to G. Hostetter for HELB Analysis Relational Diagram

Document Number	Description
PROD00019813	Design Review Comment Form: Seismic and HELB Analyses of Unit 1 Feedwater Discharge Piping to 15 A/B Heaters
PROD00019814	11/2/2009 Email from B. Slack to D. Potter re Flooding world
PROD00019815	Gothic Model Flowchart re HELB Flooding analysis
PROD00019816	10/29/2009 Prairie Island Turbine Building HELB Temperature Analysis for 2E, 1D1, 1A and 1C report prepared by Advent Engineering Services
PROD00019817	7/29/2009 Calculation Signature Sheet: Determination of HELB / Flooding Interactions in the Turbine Building
PROD00019818	10/28/2009 Email from B. Slack to S. Myers & D. Potter with others cc'd re HELB questions from the shift manager
PROD00019819	10/27/2009 Email from B. Slack to J. Connors & S. Myers with others cc'd re Battery Rooms - Heat up calcs & HELB environment
PROD00019820	10/25/2009 50.59 Screening : High Energy Line Breaks - Break Location Selections
PROD00019821	10/26/2009 Email from B. Slack to M. Hopman & D. Potter re Turbine Building HELB analysis
PROD00019822	10/26/2009 Email from B. Slack to K. Vincent & G. Kvamme re HELB model with curves from Advent
PROD00019823	10/26/2009 Email from B. Slack to G. Hostetter re HELB model
PROD00019824	Turbine Building HELB / Flooding Interactions Spreadsheet
PROD00019825	12/21/2009 Design Review Comment Form: Auxiliary Building HELB Surface Areas & Flow Paths
PROD00019826	12/4/2009 Request for Phased Approval: Turbine Bldg HELB Analysis
PROD00019827	11/6/2009 PINGP Calculation: Center Aisle Input for Turbine Building Gothic Analyses
PROD00019828	50.59 Screening: Inputs to Turbine Building GOTHIC Model for HELB Analysis
PROD00019829	12/14/2009 Email from B. Slack to L. Wagner with W. Scholberg cc'd re HELB flooding in Aux Bldg
PROD00019830	12/1/2009 50.59 Screening: Center Aisle Input for Turbine Building GOTHIC Analyses
PROD00019831	12/4/2009 Group of new Document Request Forms re Pipe stress Analyses
PROD00019832	12/7/2009 Group of New Document Request Forms re Analyses of Feedwater Discharge Piping, CD Lines
PROD00019833	12/4/2009 Request for Phased Approval: Turbine Bldg HELB Analysis
PROD00019834	12/1/2009 Letter from M. Wylie with Advent Engineering Services to B. Slack re Advent Proposal AP-09-24a, Turbine Building GOTHIC HELB Analysis
PROD00019835	12/3/2009 50.59 Screening: Station Battery & DC Distribution System, Unit 2 - 4.16KV System, Cooling Water
PROD00019836	List of HELB-Related EPU Work
PROD00019837	12/3/2009 Email from B. Slack to W. Scholberg re HELB quality requirements
PROD00019838	Turbine Building HELB / Flooding Interactions Spreadsheet
PROD00019839	7/29/2009 PINGP Calculation: Determination of HELB/Flooding Interactions in the Turbine Building
PROD00019840	Calculation ENG-ME-732: Turbine Building HELB / Flooding Interactions Spreadsheet
PROD00019841	12/1/2009 Email from B. Slack to J. Hill re Xcel comments on EPU offer related to HELB
PROD00019842	11/30/2009 Email from B. Slack to J. Hill w/ S. Ford cc'd re Xcel comments on EPU offer related to HELB

Document Number	Description
PROD00019843	1/24/2010 PINGP Calculation: Determination of Habitability Time in Turbine Building After HELB Scenarios that Cause Flooding, Attachment 2
PROD00019844	1/24/2010 PINGP Calculation: GOTHIC Results for Turbine Building After Main Steam HELB Scenarios that Cause Flooding
PROD00019845	Calculation ENG-ME-767, Attachment 1: Turbine Building HELB / Flooding Interactions Spreadsheet
PROD00019846	Calculation ENG-ME-767, Attachment 3: Spreadsheet
PROD00019847	2/23/2010 Email from B. Slack to S. Ford re change to the TRM
PROD00019848	2/2/2010 Design Review Comment Form: ENG-ME-357, Rev 3: Appendix 1 - High Energy Line Breaks - Break Location Selection
PROD00019849	2/2/2010 Calculation Signature Sheet: ENG-ME-357, Rev. 3: Appendix 1 - High Energy Line Breaks - Break Location Selection
PROD00019850	Analysis of turbine building flooding
PROD00019851	1/24/2010 Determination of Habitability Time in Turbine Building After HELB Scenarios that Cause Flooding
PROD00019852	1/24/2010 Determination of Habitability Time in Turbine Building After HELB Scenarios That Cause Flooding
PROD00019853	1/21/2010 letter from B. Slack to D. Kettering regarding corrective action at PINGP.
PROD00019854	Determination of HELB / Flooding Interactions in Turbine Building at PINGP.
PROD00019855	Turbine Building HELB / Flooding Interactions.
PROD00019856	1/18/2010 Determination of HELB / Flooding Interactions in the Turbine Building.
PROD00019857	1/18/2010 by B. Slack stress analysis of piping at PINGP.
PROD00019858	1/18/2010 Determination of HELB / Flooding Interactions in the Turbine Building.
PROD00019859	1/19/2010 email from B. Slack to S. Ford regarding funds for stress analysis of piping at PINGP.
PROD00019860	List of actions needing to be performed at PINGP.
PROD00019861	PINGP HELB break location selection document.
PROD00019862	1/15/2010 email from B. Slack to J. Thuot regarding assessment of PINGP.
PROD00019863	1/14/2010 email from B. Slack to J. Hill regarding stress analysis in piping at PINGP.
PROD00019864	1/11/2010 email from B. Slack to D. Kettering discussing contract for HELB work at PINGP.
PROD00019865	1/11/2010 email from B. Slack to S. Onnen regarding HELB design engineering calculations.
PROD00019866	1/6/2010 Design Information Transmittal from B. Slack to D. Setlur regarding PINGP design engineering.
PROD00019867	1/8/2010 email from B. Slack to S. Ford and others at Xcel regarding CAP actions in HELB at PINGP.
PROD00019868	1/8/2010 email from B. Slack to S. Ford regarding HELB flooding and CAPs at PINGP.
PROD00019869	1/7/2010 email from B. Slack to S. Myers regarding CAPs for HELB at PINGP.
PROD00019870	1/7/2010 email from B. Slack to S. Myers regarding HELB issue.
PROD00019871	Considerations for CC/HELB 95-001 Inspection.
PROD00019872	1/7/2010 email from B. Slack to G. Hostetter regarding equipment function during HELB scenario at PINGP.
PROD00019873	1/6/2010 Design Information Transmittal from B. Slack to D. Setlur regarding PINGP design engineering.

Document Number	Description
PROD00019874	1/4/2010 Design Input Consultation Form from B. Kamowski regarding machinery involved in HELB scenarios at PINGP.
PROD00019875	1/4/2010 email from B. Slack to D. Potter regarding HELB at PINGP.
PROD00019876	2/26/2010 email from B. Slack to A.V. Setlur regarding HELB structural analysis.
PROD00019877	2/24/2010 email from B. Slack to A. V. Setlur regarding structural issues with HELB.
PROD00019878	11/1/2009 Design Review Comment Form regarding engineering at PINGP.
PROD00019879	Document describing study on HELBs.
PROD00019880	Spreadsheet containing list of maintenance issues relating to HELB.
PROD00019881	Summary table of high-energy lines at PINGP.
PROD00019882	Table containing HELB information from PINGP.
PROD00019883	2/15/2010 email from B. Slack to C. Agan and others at Xcel regarding HELB equipment for PINGP.
PROD00019884	Discussion related to whether Component Cooling system is required to be available post-HELB.
PROD00019885	10/30/2009 Operability Recommendation regarding HELB scenarios at PINGP.
PROD00019886	4/21/2010 email from B. Slack to M. Cabiro regarding HELB issues at PINGP.
PROD00019887	5/4/2010 letter from M. Schimmel to NRC containing LER for PINGP.
PROD00019888	4/23/2010 email from B. Slack to S. DiPasquale regarding HELB scenarios at PINGP.
PROD00019889	HELB Licensing Event Basis
PROD00019890	4/6/2010 email from B. Slack to D. Setlur regarding work approval at PINGP.
PROD00019891	5/27/2009 letter from A. V. Setlur at AES to B. Slack regarding PINGP HELB licensing and design bases.
PROD00019892	2/26/2010 email from B. Slack to A. V. Setlur regarding HELB conditions at PINGP.
PROD00019893	4/1/2010 RPA for HELB Reconstitution Project.
PROD00019894	3/31/2010 Calculation Signature Sheet for Inputs to Turbine Building for HELB Analysis.
PROD00019895	3/2/2010 GOTHIC Results for Turbine Building after Main Steam HELB Scenarios that cause Flooding
PROD00019896	3/9/2010 Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00019897	5/1/2010 e-mail from B. Slack to J. Kivi re: effect of high energy line break on cooling water pumps
PROD00019898	6/4/2010 e-mail from B. Slack to C. Koehler re: turbine building circulating water system
PROD00019899	6/1/2010 e-mail from B. Slack to C. Koehler re: cooling component and HELB assessment
PROD00019900	5/14/2010 e-mail from B. Slack to C. Koehler re: corrective action program tracking
PROD00019901	6/2/2009 letter from E. Bird with MPR Associates, Inc. to B. Slack re: turbine building HELB analysis
PROD00019902	3/8/2010 NRC Question Response Form re: CL piping system
PROD00019903	2/24/2010 e-mail from B. Slack to S. Meyers and others at Xcel re: cooling component and HELB required equipment
PROD00019904	2/15/2010 B. Slack discussion paper re: whether the component cooling system is required to be available post-HELB
PROD00019905	11/5/2008 NRC Question Response Form re: turbine building component cooling system design
PROD00019906	5/29/2010 draft of D. Potter analysis of screening of pipe whip interactions with cooling component piping

Document Number	Description
PROD00019907	5/26/2010 Determination of HELB / Flooding Interactions in the Turbine Building
PROD00019908	5/26/2010 Attachment to Turbine Building HELB / Flooding Interactions
PROD00019909	5/26/2010 Attachment to Turbine Building HELB / Flooding Interactions
PROD00019910	Attachment 3: Summary table of high energy lines with additional information
PROD00019911	Attachment 1 Summary table of high energy line piping selection
PROD00019912	Graphs and data re: Run 31a
PROD00019913	4/20/2010 Internal Flood Evaluation for 4/18/2010 Screen Door Closing Event
PROD00019914	4/20/2010 Internal Flood Evaluation for 4/18/2010 Screen Door Closing Event
PROD00019915	4/20/2010 Design Review Comment Form re: EC16001/Evaluation of HELB Effects from Heater Drain Piping for Significance Determination
PROD00019916	3/13/2010 Evaluation of HELB Effects from Heater Drain Piping for Significance Determination
PROD00019917	3/22/2010 PINGP Engineering Evaluation re: Evaluation of Bleed Steam Break Peak Temperature for HELB-Flood SDP
PROD00019918	2/18/2009 Design Review Comment Form re: EC15657/Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00019919	2/18/2009 Design Review Comment Form re: EC15657/Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00019920	3/20/2010 Calculation Signature Sheet re: GOTHIC Results for Turbine Building After Main Steam HELB Scenarios that Cause Flooding
PROD00019921	Design Review Comment Form re: ENG-ME-767/Determination of Habitability Time in Turbine Building after HELB Scenarios that cause Flooding
PROD00019922	3/2/2010 PINGP Calculation re: GOTHIC Results for Turbine Building after Main Steam HELB Scenarios that Cause Flooding
PROD00019923	3/2/2010 PINGP Calculation re: GOTHIC Results for Turbine Building after Main Steam HELB Scenarios that Cause Flooding
PROD00019924	Calculation ENG-ME-767 Attachment 1 Turbine Building HELB/Flooding Instructions
PROD00019925	Calculation ENG-ME-767 Attachment 1: Turbine Building HELB/Flooding Interactions
PROD00019926	3/2/2010 PINGP Calculation re: GOTHIC Results for Turbine Building After Main Steam HELB Scenarios that Cause Flooding
PROD00019927	3/2/2010 PINGP Calculation re: GOTHIC Results for Turbine Building After Main Steam HELB Scenarios that Cause Flooding
PROD00019928	Document re: the licensing basis assumption of how close the pipes need to be to assure HELB interaction happens
PROD00019929	2/18/2009 Design Review Comment Form re: EC15657/Eval of FW and CD HELB Effects for Sprinkler Initiation for SDP
PROD00019930	3.0.3 Retraction

Document Number	Description
PROD00019931	6/1/2010 Calculation Signature Sheet re: Determination of HELB/Flooding Interactions in the Turbine Building
PROD00019932	5/26/2010 PINGP Calculation re: Determination of HELB/Flooding Interactions in the Turbine Building
PROD00019933	Calculation ENG-ME-732 Attachment 1 Turbine Building HELB/Flooding Interactions
PROD00019934	3/2/2010 Gothic Results for Turbine Building After Main Steam HELB Scenarios That Cause Flooding
PROD00019935	3/8/2010 B. Slack to J. Ritter and others @ Xcel re: analyses of turbine building high energy line break/flooding issue
PROD00019936	HELB/Flooding SDP (Turbine Building Configuration, HELB Results, and Flooding Results)
PROD00019937	PINGP Turbine Building Flooding Analysis Model
PROD00019938	PINGP Turbine Building Flooding Analysis Model
PROD00019939	PINGP Turbine Building Flooding Analysis Model
PROD00019940	PINGP Turbine Building Flooding Analysis Model

ATTACHMENT 2

Northern States Power Co.
Prairie Island Nuclear Generating Plant, Units 1 and 2 License Renewal Proceeding
Docket Nos. 50-282-LR, 50-306-LR; ASLBP No. 08-871-01-LR
Supplemental Proprietary Log for NSPM's Initial Disclosures Regarding Safety Culture Contention (June 25, 2010)

Document Number	Date	Entity Claiming Protected Status	Description
PROP00000178	6/5/2003	INPO	PINGP's Corrective Action Review Board - CAP to document ACE and CEs for various issues: Boric Acid Leakage, Cooling Water System
PROP00000179	3/23/2009	INPO	Action Request Record Report - Boric Acid Control, with attachments
PROP00000180	12/2/2008	NMC	12/2/08 AT-0175 Action Request Record Report re: Guideline for Damage Mitigation Strategies EDMG-2 Rev 1.
PROP00000181	9/26/2000	Sargent and Lundy	11/29/2007 Calculation Signature Sheet; NMC Calculation (Doc) No: ENG-ME-170 Revision due to charging pump drive replacement-Temperature in Auxiliary Building as a function of time Starting Page 181 Sargent and Lundy "Calc for Ampacity of Conductors in Wrapped" claims proprietary status for its calculations and summary that ends page 213
PROP00000182	Mar-09	Dominion Engineering, Inc and Xcel Energy	5/11/2009 Engineering Change for Evaluation of effect of borated water leaks on concrete reinforcing bars, and carbon steel plate of the containment at Prairie Island Units 1 and 2
PROP00000183	2/28/1991	Seismic Qualification Utility Group	Agenda for SQUG Workshop taking place March 25 and 26, 1996
PROP00000184	1/5/1999	SQUG and EPRI	Report of SQUG Winter Meeting on December 14 and 15, 1998
PROP00000185	2/27/1990	EQE Engineering	SQUG documents
PROP00000186	12/12/2007	PINGP	12/12/07 PINGP EDMG Guideline for Damage Mitigation Strategies
PROP00000187	5/5/2008	PINGP	5/5/2008 PINGP EDMG Guideline for Damage Mitigation Strategies
PROP00000188	9/8/2008	PINGP	9/8/2008 PINGP EDMG Guideline for Damage Mitigation Strategies
PROP00000189	6/1/2007	PINGP	2006 Emergency Planning Procedure/Program Changes, PINGP Drill/Exercise Performance
PROP00000190	4/15/2010	PINGP	04/15/10 Emergency Plan Training Program - EOF Walkthrough
PROP00000191	1/28/2010	PINGP	01/28/10 Emergency Plan Overview - Training
PROP00000192	5/25/2005	Morgan Lewis Counselors at Law	Presentation materials re: INPO Supervisor Actions to Enhance Safety Culture.

Document Number	Date	Entity Claiming Protected Status	Description
PROP00000193	5/17/2010	Xcel Energy	5/17/2010 Modeling expectations and standards re: instructor certification training
PROP00000194	12/9/2009	INPO	INPO Plant Evaluation Field Notes - Private. Area for Improvement Details Prairie Island November 2009
PROP00000195	May-01	EPRI	PWR Materials Reliability Program Interim Alloy 600 Safety Assessments for US PWR Plants (MRP-44) Part 2: Reactor Vessel Top Head Penetrations
PROP00000196	Dec-99	INPO	Principles for Effective Self-Assessment and Corrective Action Programs
PROP00000197	11/11/2002	INPO	11/11/2002 INPO Significant Operating Experience Report
PROP00000198	Sep-03	WANO	9/2003 WANO Significant Event Report 2003-6
PROP00000199	9/4/2005	INPO	Operational experience evaluation of 1/21/2005 Event at Saint Lucie Plant
PROP00000200	Dec-06	INPO	Topical Report TR6-56 Work Planning and Preparation
PROP00000201	Dec-07	INPO	INPO Report: Human Performance Tools for Managers and Supervisors
PROP00000202	Jan-08	INPO	INPO Performance Improvement Digest: Use of Corrective Action Oversight Boards to Enhance Causal Analysis Quality
PROP00000203	Oct-08	INPO	INPO Good Practice Engineering Program Guide: Boric Acid Corrosion Control Program (BACCP)
PROP00000204	Sep-05	NMC	Evaluation of PINGP - INPO
PROP00000205	N/A	EDMG	EDMG Guideline for Damage Mitigation Strategies at PINGP
PROP00000206	N/A	Xcel	PINGP EAL reference manual
PROP00000207	N/A	Xcel	PINGP Maintenance Procedure: Refuel Cavity Caulking
PROP00000208	N/A	Xcel	PINGP: Business Process Procedure - Boric Acid Corrosion Control Program
PROP00000209	N/A	Xcel	PINGP Surveillance Procedures: Reactor Coolant System Pressure Isolation Check Valve Leakage Test
PROP00000210	N/A	Xcel	PINGP: Surveillance Procedure: 11 Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROP00000211	N/A	Xcel	PINGP: Surveillance Procedure: Reactor Coolant System Integrity Test
PROP00000212	N/A	Xcel	PINGP: Surveillance Procedure: Reactor Coolant System Pressure isolation Check Valve Leakage Test

Document Number	Date	Entity Claiming Protected Status	Description
PROP00000213	N/A	Xcel	PINGP: Surveillance Procedure: 22 Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROP00000214	N/A	Xcel	PINGP: System Prestart Checklist: Reactor Coolant System Unit 2
PROP00000215	N/A	Xcel	PINGP: Surveillance Procedure: 11 Turbine Driven Auxiliary Feedwater Pump Auto Start and Functional Refueling Outage Test
PROP00000216	N/A	Westinghouse	LAR services agreement between Xcel and Westinghouse.
PROP00000217	unknown	Westinghouse	Evaluation of MUR Impact on Prairie Island Secondary Side Mass/Energy Release Events and SLB Containment Response
PROP00000218	unknown	Westinghouse	Evaluation of Heavy Bundle Fuel Impact on Prairie Island Secondary Side Mass/Energy Release Events and Steamline Break Containment Response
PROP00000219	5/25/2007	Westinghouse	2007 Westinghouse Evaluation of MUR Impact on Prairie Island Secondary Side Mass/Energy Release Events and SLB Containment Response regarding auxiliary feedwater valve
PROP00000220	4/30/2010	Westinghouse	4/30/2010 Request for Input Confirmation for HELB Analysis
PROP00000221	5/27/2004	Westinghouse	Westinghouse Analysis Transfer Master Data List
PROP00000222	5/27/2004	Westinghouse	Westinghouse Analysis Transfer Master Data List
PROP00000223	N/A	Xcel	Operability recommendation for PINGP
PROP00000224	N/A	Xcel	Operability recommendation for PINGP
PROP00000225	N/A	Xcel	Operability recommendation for PINGP
PROP00000226	N/A	Xcel	Engineering Manual containing Specification for the Stress Analysis of Piping Systems at PINGP
PROP00000227	N/A	Xcel	NSPM CAP Screen Team Meeting Template
PROP00000228	4/30/2010	Westinghouse	Request for input Confirmation for HELB analysis
PROP00000229	10/16/2000	NMC	10/16/2000 Calculation Sheet: GOTHIC Results for High Energy Line Breaks in the PI Auxiliary Building
PROP00000230	9/20/1971	Westinghouse	9/20/1971 Westinghouse specification for pipes and fittings in nuclear power plants
PROP00000231	6/4/1969	Westinghouse	6/4/1969 Material Specification-pipe, fittings, and thermal insulation
PROP00000232	N/A	Westinghouse	Appendix B: Automated Engineering Services Corporation Scope
PROP00000233	1/18/2010	Xcel	1/18/2010 stress analysis of piping at PINGP
PROP00000234	1/18/2010	Xcel	1/18/2010 Stress analysis of piping at PINGP

Document Number	Date	Entity Claiming Protected Status	Description
PROP00000235	1/11/2010	Xcel	1/11/2010 Design Information Transmittal regarding PINGP design engineering.
PROP00000236	3/2/2010	Xcel	3/2/2010 PINGP Calculation: HELB scenarios that cause flooding.
PROP00000237	N/A	Xcel	Document listing maintenance issues at PINGP
PROP00000238	10/30/2009	Xcel	10/30/2009 Operability Recommendation regarding PINGP and HELB.
PROP00000239	3/26/2010	Xcel	3/26/2010 Calculation Signature Sheet for Turbine Compartment HELB Surface Areas and Flow Paths

ATTACHMENT 3

Northern States Power Co.
Prairie Island Nuclear Generating Plant, Units 1 and 2 License Renewal Proceeding
Docket Nos. 50-282-LR, 50-306-LR; ASLBP No. 08-871-01-LR
Supplemental Privilege Log for NSPM's Initial Disclosures Regarding Safety Culture Contention (June 25, 2010)

Document Number	Document Type	Date	Author/Sender	Recipient	CC	Subject	Privilege Asserted[1]
PRIV00000070	Report	April 2-6, 2001	Assessment Team	PINGP	n/a	Mid-Cycle Assessment of Areas for Improvement from January 2000 INPO Evaluation	SCA
PRIV00000071	Letter	11/14/2008	David Hembree, Engineering & Configuration Management	Michael Wadley	T. Allen, H. Butterworth, D. Koehl, S. Myers, S. Northard, M. Schimmel, H. Coates, C. Goddard	Letter with INPO results of visit conducted at PINGP on 11/3-6/2008	SCA

[1] SCA=Self-Critical Analysis Privilege