

New York State

Revised Track 2

Exhibits List

(NYS000589)

ATTACHMENT 9

to State of New York Kwong Declaration

dated February 5, 2016

Revised: February 5, 2016

Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),
 Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01

Evidentiary Hearing

State of New York ("NYS") Track 2 Hearing Exhibits

NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYSR23001	ALL	State of New York Hearing Exhibits List ("NYS Exhibits List")	9/9/2015
NYS00146A- NYS00146C	NYS-6/7, NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1801, Rev. 1, Volumes 1 and 2, Generic Aging Lessons Learned (GALL) Report (September 2005) ("GALL Rev 1")	12/15/2011
NYS00147A- NYS00147D	NYS-6/7, NYS-5, NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1801, Rev. 2, Generic Aging Lessons Leared (GALL) Report, Final Report (December 2010) ("GALL Rev 2")	12/15/2011
NYS000150	NYS-6/7, NYS-38/RK-TC-5	NRC Request For Additional Information For The Review Of The Indian Point Nuclear Generating Unit Number 2 and 3 (Feb. 10, 2011) ("RAI")	12/15/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000151	NYS-6/7, NYS-5, NYS-38/RK-TC-5	Entergy Response (NL-11-032) to Request for Additional Information (RAI), Aging Management Programs, Indian Point Nuclear Generating Unit Nos. 2 & 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Mar. 28, 2011) ("Entergy's March 28 Response")	12/15/2011
NYS000152	NYS-6/7, NYS-5, NYS-38/RK-TC-5	Entergy Response (NL-11-074) to Request for Additional Information (RAI), Aging Management Programs, Indian Point Nuclear Generating Unit Nos. 2 & 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Jul. 14, 2011) ("Entergy's July 14 Response")	12/15/2011
NYS000153	NYS-6/7, NYS-38/RK-TC-5	Entergy Response (NL-11-090) to Request for Additional Information for the Review Of The Indian Point Nuclear Generating Unit Number 2 and 3 (Jul. 27, 2011) ("Entergy's July 27 Response")	12/15/2011

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NYS000154	NYS-6/7, NYS-5, NYS-38/RK-TC-5	Entergy Clarification (NL-11-096) for Request for Additional Information (RAI), Aging Management Programs, Indian Point Nuclear Generating Unit Nos. 2 & 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Aug. 9, 2011) ("Entergy's August 9 Response")	12/15/2011
NYS000160	NYS-6/7, NYS-5, NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1930, Safety Evaluation Report Related to the License Renewal of Indian Point Nuclear Generating Unit Nos. 2 and 3, Supplement No. 1, Docket Nos. 50-247 and 50-286 (August 2011) ("NUREG-1930 SSER")	12/15/2011
NYS000161	NYS-6/7, NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1800, Final Report, Rev. 2, Standard Review Plan for Review of License Renewal Applications for Nuclear Plants (December 2010 version) ("SRP Rev 2")	12/15/2011
NYS000166	NYS-5, NYS-38/RK-TC-5	Curriculum Vitae of David J. Duquette ("2011 Duquette CV")	12/16/2011

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NYS000199	NYS-5, NYS-38/RK-TC-5	NRC Letter, "Request for Additional Information for the Review of the Indian Point Nuclear Generating Unit Numbers 2 and 3, License Renewal Application" (Feb. 10, 2011) ("Feb. RAI")	12/16/2011
NYS000293	NYS-25	State of New York Statement of Position, NYS-25A ("NYS-25 SOP")	12/22/2011
NYS000294	NYS-25	Pre-filed Testimony of Richard T. Lahey, Jr. ("Lahey PFT NYS-25")	12/22/2011
NYS000295	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Curriculum Vitae of Richard T. Lahey, Jr. ("2011 Lahey CV")	12/22/2011
NYS000296	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Report of Richard T. Lahey, Jr. (Dec. 20, 2011) ("2011 Lahey Report NYS-25 and NYS-26B")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000297	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Supplemental Report of Richard T. Lahey, Jr. (Dec. 21, 2011) ("2011 Lahey Supp Report") (NON-PUBLIC)	12/22/2011
NYS000298	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Lahey, R.T., Jr., Declaration in Support of Notice of Intention to Participate and Petition to Intervene filed by the State of New York in Indian Point license renewal proceeding (Nov. 30, 2007) ("2007 Lahey Decl.")	12/22/2011
NYS000299	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Lahey, R.T., Jr., Declaration in Support of the State of New York's Supplemental Contention 26-A in Indian Point license renewal proceeding (Apr. 7, 2008) ("2008 Lahey Decl.")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000300	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Lahey, R.T., Jr., Declaration in Support of the State of New York's New and Amended Contention Concerning Metal Fatigue (NYS-26B/RK-TC-1B) in Indian Point license renewal proceeding (Sept. 8, 2010) ("Sept. 8, 2010 Lahey Decl.") (NON-PUBLIC)	12/22/2011
NYS000301	NYS-25, NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Declaration in Support of the State of New York's Additional Bases for Previously-Admitted Contention NYS-25 (Embrittlement of Reactor Pressure Vessels and Associated Internals) in Indian Point license renewal proceeding (Sept. 15, 2010) ("Sept. 15, 2010 Lahey Decl.")	12/22/2011
NYS000302	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Lahey, R.T., Jr., Declaration in Support of State of New York and Riverkeeper's Contention NYS-38/RK-TC-5 (Sept. 30, 2011) ("Sept 2011 Lahey Decl.")	12/22/2011

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NYS000303	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Lahey, R.T., Jr., Response Declaration in Support of State of New York and Riverkeeper's Contention NYS-38/RK-TC-5 (Nov. 1, 2011) ("Nov. 2011 Lahey Decl.")	12/22/2011
NYS000304	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Slides, "NRC Aging Management Program Including Long Term Operation (LTO)," Workshop on Challenges on the Long Term Operation, New Delhi, India, Excerpted: Aging R&D Areas, vg6 (ML111801154) (Nov. 8-11, 2011) ("NRC Slide vg6")	12/22/2011
NYS000305	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Slides, "NRC Aging Management Program Including Long Term Operation (LTO)," Workshop on Challenges on the Long Term Operation, New Delhi, India (ML111801154) (Nov. 8-11, 2011) ("NRC Slides Nov 2011")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYSR00306	NYS-25, NYS-38/RK-TC-5	EPRI, Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines, (MRP-227-Rev. 0), Report 1016596, Excerpted: pp. 3-9, 4-54 - 4-67 (December 2008) ("EPRI Slides MRP-227-Rev. 0 Excerpt")	10/1/2012
NYS00307A-NYS00307D	NYS-25, NYS-38/RK-TC-5	EPRI, Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines, (MRP-227-Rev. 0), Report 1016596 (December 2008) ("EPRI Slides MRP-227-Rev. 0")	12/22/2011
NYS000308	NYS-25, NYS-38/RK-TC-5	EPRI letter withdrawing confidentiality designation re EPRI Report, MRP-227-Rev. 0, Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines (Mar. 2, 2010) ("EPRI MRP-227-Rev. 0 Designation Letter")	12/22/2011

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NYS000309	NYS-25, NYS-38/RK-TC-5	NRC Staff Final Safety Evaluation of EPRI Report MRP-227, Rev. 0, Letter R. Nelson to N. Wilmshurst (ML111600498) (Jun. 22, 2011) ("NRC FSE MRP-227-Rev. 0")	12/22/2011
NYS000310	NYS-25, NYS-38/RK-TC-5	NRC Regulatory Issue Summary 2011-07, License Renewal Submittal Information for Pressurized Water Reactor Internals Aging Management (Jul. 21, 2011) ("NRC RIS 2011-07")	12/22/2011
NYS000311	NYS-25, NYS-38/RK-TC-5	Entergy, NL-09-130, Response to Request for Additional Information Regarding Relief Request-09, Attachment 1 (Sept. 24, 2009) ("Entergy NL-09-130")	12/22/2011
NYS000312	NYS-25, NYS-38/RK-TC-5	Entergy, NL-10-030 communication to NRC, Attachment 1 re Indian Point reactor vessel surveillance capsule withdrawal (Mar. 8, 2010) ("Entergy NL-10-030")	12/22/2011

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NYS000313	NYS-25, NYS-38/RK-TC-5	Entergy submission to the Atomic Safety and Licensing Board conveying Entergy NL-10-063 communication to NRC Staff (Jul. 14, 2010) re Indian Point License Renewal Application Amendment No. 9, reactor vessel internals program (Jul. 15, 2010) ("Entergy NL-10-063")	12/22/2011
NYS000314	NYS-25, NYS-38/RK-TC-5	Entergy, NL-11-107 communication to NRC Staff re Indian Point License Renewal Application Commitment 30 reactor vessel internals inspection plan (Sept. 28, 2011) ("Entergy NL-11-107")	12/22/2011

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NYS000315	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Entergy Email: Batch to Finnin, Subject: Need to Evaluate High Cycle Fatigue to IPEC Baffle Bolts? (12/28/06) and email string: Friday; December 28, 2006; 1:58 PM; From: Stan Batch; To: Ron Finnin; Cc: Don Fronabarger, Ted S. Ivy; Subject: Need to evaluate high cycle fatigue for IPEC baffle bolts? Friday; January 12, 2007; 10:14 AM; From: Stan Batch; To: Walter Wittich and Nelson F. Azevedo; Cc: Ron Finnin and Don Fronabarger; Subject: Need to evaluate high cycle fatigue for IPEC baffle bolts? ("Entergy Email High Cycle Fatigue")	12/22/2011

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NYS000316	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Entergy Email: Esquillo to Stuard et al., Subject: Section XI - Cracking (8/30/06) and email string: Friday; June 16, 2006; 10:25 AM; From: Mark A. Rinckel; To: Ron Finnin; Cc: acox@entergy.com, Michael D. Stroud, Virgilio M. Esquillo, and Stan Batch; Subject: Section XI - Cracking. Wednesday; August 30, 2006; 9:33 AM; From: Virgilio M. Esquilla; To: William L. Stuard, Mark L. Warren; Carole L. Naugle, and Kenneth R. Allison; Subject: FW: Section XI - Cracking. Friday; December 8, 2006; 9:16 AM; From: Kenneth R. Allison; To: William L. Stuard; Subject: FW: Section XI -Cracking; Attach: Section XI Standards.pdf ("Entergy Email Section XI")	12/22/2011

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NYS000317	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NRC Staff, Telecon-USNRC/Entergy, Summary of Telephone Conversation held on March 18, 2008, between US Nuclear Regulatory Commission and Entergy Nuclear Operations, Inc., Pertaining to I.P. units 2 and 3, LRA-Environmental RAI (Mar. 18, 2008) ("Telecon Summary")	12/22/2011
NYS000318	NYS-25, NYS-38/RK-TC-5	EPRI, Evaluation of Thermal Aging Embrittlement for Cast Austenitic Stainless Steel Components in LWR Reactor Coolant Systems, Final Report (TR-106092, WO2643-33) (September 1997) ("EPRI TR-106092")	12/22/2011
NYS000319	NYS-25, NYS-38/RK-TC-5	EPRI, MRP-175, Materials Reliability Program: PWR Internals Material Aging Degradation Mechanism Screening and Threshold Values (TR-1012081) (ML061880278) (December 2005) ("EPRI MRP-175")	12/22/2011
NYS00320A-NYS00320B	NYS-25, NYS-38/RK-TC-5	EPRI, Non-Class 1 Mechanical Implementation Guidelines and Mechanical Tools, Rev. 4 (1010639) (January 2006) ("EPRI 1010639 Rev 4")	12/22/2011

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NYS000321	NYS-25, NYS-38/RK-TC-5	EPRI, MRP-191, Materials Reliability Program: Screening, Categorization, and Ranking of Reactor Internals Components for Westinghouse and Combustion Engineering PWR Design (TR-1013234)(ML091910130) (November 2006) ("EPRI MRP-191")	12/22/2011
NYS000322	NYS-25, NYS-38/RK-TC-5	EPRI Presentation Slides, R. Dyle, "EPRI Primary Systems Corrosion Research," Excerpted: pp. 14, 20 (ML101600470) (Jun. 2, 2010) ("EPRI Slides")	12/22/2011
NYS000323	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	EPRI, MRP-228; Materials Reliability Program: Inspection Standard for PWR Internals, Final Report (1016609) (July 2009) ("EPRI MRP-228") (NON-PUBLIC)	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000324	NYS-25, NYS-38/RK-TC-5	NRC Staff Letter, C.I. Grimes to R.A. Newton (Westinghouse Owners Group) re Acceptance for Referencing of Generic License Renewal Program Entitled, "License Renewal Evaluation: Aging Management for Reactor Internals," WCAP-14577, Rev. 1 (October 2000) (Feb. 10, 2001) ("NRC Staff Letter to WOG")	12/22/2011
NYS000325	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NRC Advisory Committee on Reactor Safeguards letter: N. Bonaca (ACRS) to G. Jaczko (USNRC), "Report on the Safety Aspects of the License Renewal Application for the Indian Point Nuclear Generating Unit Nos. 3 and 3," (Sept. 23, 2009) ("NRC ACRS Letter to Jaczko")	12/22/2011
NYS00326A-NYS00326F	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1930, NRC Staff, Safety Evaluation Report Related to the License Renewal of Indian Point Nuclear Generation Units Nos. 2 and 3 (November 2009) ("NUREG-1930 SER")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000327	NYS-25, NYS-38/RK-TC-5	NRC News No. III-10-22.C, "NRC asks FENOC to discuss basis for Davis-Besse plant restart at public meeting" (May 26, 2010) ("NRC News No. III-10-22.C")	12/22/2011
NYS000328	NYS-25, NYS-38/RK-TC-5	NRC Staff, Division of Component Integrity, "NRC Perspectives on PWR Materials Issues" (ML101520577) (June 2010) ("PWR Materials Issues")	12/22/2011
NYS000329	NYS-25, NYS-38/RK-TC-5	NRC Information Notice 2011-13, Control Rod Blade Cracking Resulting in Reduced Design Lifetime (Jun. 29, 2011) ("NRC IN 2011-13")	12/22/2011
NYS000330	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1061, Vol. 3, Report of the U.S. Nuclear Regulatory Commission Piping Review Committee, Evaluation of Potential for Pipe Breaks (November 1984) ("NUREG-1061 Vol. 3")	12/22/2011
NYS000331	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-4572, NRC Leak-Before-Break Analysis Method for Circumferentially Through-Wall Cracked Pipes Under Axial Plus Bending Loads (March 1986) ("NUREG/CR-4572")	12/22/2011

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NYS000332	NYS-25, NYS-38/RK-TC-5	NUREG/CR-4513, ANL-93/22, Rev. 1, Estimation of Fracture Toughness of Cast Stainless Steels during Thermal Aging in LWR Systems (May 1994) ("NUREG/CR-4513 Rev. 1")	12/22/2011
NYS000333	NYS-25, NYS-38/RK-TC-5	NUREG/CR-6897, ANL-04/28, Assessment of Void Swelling in Austenitic Stainless Steel Core Internals (January 2006) ("NUREG/CR-6897")	12/22/2011
NYS000334	NYS-25, NYS-38/RK-TC-5	NUREG/CR-6960, ANL-06/58, Crack Growth Rates and Fracture Toughness of Irradiated Austenitic Stainless Steel in BWR Environments, Chopra, et al. (March 2008) ("NUREG/CR-6960")	12/22/2011
NYS000335	NYS-25, NYS-38/RK-TC-5	Nuclear Energy Institute, NEI 03-08 [Addenda], Materials Initiative Guidance, Excerpted: pp. D5-D6 (June 2009) ("NEI 03-08 Addenda")	12/22/2011
NYS000336	NYS-25, NYS-38/RK-TC-5	Barnes, "A Theory of Swelling and Gas Release for Reactor Materials," <i>J. of Nuclear Materials</i> , Vol-11(2), pp. 135-148 (1964) ("Barnes")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYSR00337	NYS-25, NYS-38/RK-TC-5	Hawthorne, et al., "Influence of Radiation on Material Properties," 13th International Symposium (Part-II), ASTM 04-956000-35, pp. 191-206 (June 1986) ("Hawthorne Paper")	10/1/2012
NYS000338	NYS-25, NYS-38/RK-TC-5	Tong, L.S. and Weisman, J., "Thermal Analysis of Pressurized Water Reactors," <i>ANS Monograph</i> , Excerpted: pp. 147-148 (1970) ("Tong")	12/22/2011
NYS000339	NYS-25, NYS-38/RK-TC-5	Was, Gary S., "Fundamentals of Radiation Material Science," Excerpted: pp. 379-380, 423, 765-767, 797-803, Springer (2007) ("Was")	12/22/2011
NYS000340	NYS-25, NYS-38/RK-TC-5	Westinghouse, WCAP-13587, Rev. 1, "Reactor Vessel Upper Shelf Energy Bounding Evaluation for Westinghouse Pressurized Water Reactors," S. Tandon, M.J. Malone, and T.R. Mager (September 1993) ("WCAP-13587 Rev 1")	12/22/2011
NYS000341	NYS-25, NYS-38/RK-TC-5	Westinghouse, WCAP-14577, Rev. 1-A, "License Renewal Evaluation: Aging Management for Reactor Internals," D.R. Forsyth et al. (March 2001) ("WCAP-14577 Rev. 1-A")	12/22/2011

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NYS000342	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W) - Letter No. LTR-PAFM-03-42, Yang, "Procedures for Transfer Function Database Creation and Guidelines for the Associated Finite Element Analysis" (March 2006) ("LTR-PAFM-03-42") (NON-PUBLIC)	12/22/2011
NYSR00343	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	State of New York Statement of Position, NYS-26B ("NYS-26B SOP")	12/27/2011
NYSR10344	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Pre-filed Testimony of Richard T. Lahey, Jr. ("Lahey PFT NYS-26B")	10/1/2012
NYS000345	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Cengel & Turner, <i>Fundamentals of Thermal-Fluid Sciences</i> Excerpted: pp. 759-760, McGraw-Hill (2001) ("Cengel")	12/22/2011
NYS000346	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Kreith, <i>Principles of Heat Transfer</i> , Excerpted: p. 353, Int. Text Book Co. (1961) ("Kreith")	12/22/2011
NYS000347	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Vardeman & Jobe, <i>Basic Engineering Data Collection and Analysis</i> , Excerpted: pp. 310-311, Duxbury (2001) ("Vardeman")	12/22/2011

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NYS000348	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Consolidated Edison Company of New York, Inc., Final Design Report for Reracking the Indian Point Unit No. 2 Spent Fuel Pool, Docket No. 50-247 (May 1980) 8005130412 ("ConEd IP2 Reracking FDR")	12/22/2011
NYS000349	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	American Society of Mechanical Engineers (ASME) Code, Section-III, Boiler & Pressure Vessel Code (1989) ("ASME Section-III")	12/22/2011
NYS000350	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	EPRI, MRP-47, Guidelines for Addressing Fatigue Environmental Effects in a License Renewal Application, Final Report, Revision 1 (September 2005) ("EPRI MRP-47 Rev. 1")	12/22/2011
NYS000351	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Entergy, NL-08-021 communication to NRC Staff re Indian Point License Renewal Application Amendment 2 (ML080230637) (Jan. 22, 2008) ("NL-08-021")	12/22/2011

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Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),
 Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000352	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Entergy's submission to the Atomic Safety and Licensing Board conveying Entergy's NL-10-082 communication to NRC Staff (Aug. 9, 2010) re Indian Point License Renewal Application Commitment 33, fatigue monitoring program (Aug. 10, 2010) ("Entergy NL-10-082 to ACRS")	12/22/2011
NYS000353	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NRC Staff Report, Final Safety Evaluation by the Office of Nuclear Reactor Regulation Concerning Westinghouse Owners Group Report, WCAP-14575, Revision 1, License Renewal Evaluation: Aging Management for Class 1 Piping and Associated Pressure Boundary Components, Project No. 686 (Nov. 8, 2000) ("WCAP-14575 Rev. 1")	12/22/2011
NYS000354	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-5704, ANL-98/31, Effects of LWR Coolant Environments on Fatigue Design Curves of Austenitic Stainless Steels (April 1999) ("NUREG/CR-5704")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000355	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-6260, INEL-95/0045, Application of NUREG/CR-5999 Interim Fatigue Curves to Selected Nuclear Power Plant Components (February 1995) ("NUREG/CR-6260")	12/22/2011
NYS000356	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-6583, ANL-97/18, Effects of LWR Coolant Environments on Fatigue Design Curves of Carbon and Low-Alloy Steels (March 1998) ("NUREG/CR-6583")	12/22/2011
NYS000357	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-6909, Effect of LWR Coolant Environments on the Fatigue Life of Reactor Materials (February 2007) ("NUREG/CR-6909")	12/22/2011
NYS00358A-NYS00358B	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, WESTEMS computer code manual, version 4.5, Vol. 1, Rev. 0 (March 2007) [as excerpted and produced by Entergy] ("WESTEMS") (NON-PUBLIC)	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000359	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, WCAP 14173, Rev. 2, Roarty, et al., Global to Local Transformations and Stress Transfer Functions for Pressurizer Surge Line, Pressurizer Lower Head and Pressurizer Spray Line (IPECPROP00060808) (August 1995) ("WCAP 14173 Rev. 2") (NON-PUBLIC)	12/22/2011
NYS000360	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Cranford, E.L., and Gary, M.A., "Simulation of a PWR Residual Heat Removal System for Component Fatigue Monitoring," Paper # DO514, Trans. SMiRT-19, Toronto (August 2007) ("Cranford Paper")	12/22/2011
NYS000361	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, WCAP-17199-P, Rev. 0, Environmental Fatigue Evaluation for Indian Point 2 (June 2010) ("WCAP-17199-P Rev. 0") (NON-PUBLIC)	12/22/2011
NYS000362	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, WCAP-17200-P, Rev. 0, Environmental Fatigue Evaluation for Indian Point Unit 3 (June 2010) ("WCAP-17200-P Rev. 0") (NON-PUBLIC)	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000363	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, WCAP-17149-P, Rev. 1, Evaluation of Pressurizer Insurge/Outsurge Transients for Indian Point Unit 2 (IPECPROP00056663-IPECPROP00056716) and Westinghouse, WCAP-17162-P, Rev. 1, Evaluation of Pressurizer Insurge/Outsurge Transients for Indian Point Unit 3 (IPECPROP00056717-IPECPROP00056771) (July 2010) ("WCAP-17149-P Rev. 1") (NON-PUBLIC)	12/22/2011
NYS000364	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W) - Calculation Note, CN-PAFM-09-21, IPECPROP0057432, Indian Point Units 2 & 3 Charging Nozzles Environmental Fatigue Evaluation (Jun. 18, 2010) ("CN-PAFM-09-21") (NON-PUBLIC)	12/22/2011
NYS000365	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W) - Calculation Note, CN-PAFM-09-67, IPECPROP00057917, Pressurizer Surge Nozzle and Lower Head Transfer Functions for Indian Point Units 2 and 3 (Jun. 18, 2010) ("CN-PAFM-09-67") (NON-PUBLIC)	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000366	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W) - Calculation Note. CN-PAFM-09-77, IPECPROP00057881/3, Indian Point Units 2 & 3 Accumulator Nozzle Environmental Fatigue Evaluation (Jun. 18, 2010) ("CN-PAFM-09-77") (NON-PUBLIC)	12/22/2011
NYS000367	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W) - Calculation Note, CN-PAFM-09-79, IPECPROP00057559, Indian Point Unit 2 Boron Injection Tank Nozzle Environmental Fatigue Evaluations (Jun. 18, 2010) ("CN-PAFM-09-79") (NON-PUBLIC)	12/22/2011
NYS000368	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W) - Calculation Note, CN-PAFM-09-117, IPECPROP00057276, Indian Point Units 2 and 3 Hot Leg Surge Nozzle Environmental Fatigue Evaluations (Jun. 18, 2010) ("CN-PAFM-09-117") (NON-PUBLIC)	12/22/2011
NYS00369A-NYS00369B	NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse (W), WCAP-12191, Rev. 3, Transient and Fatigue Cycle Monitoring Program Transient History Evaluation Report for Indian Point Unit 2 Addendum 1 (September 2003) ("WCAP-12191 Rev. 3") (NON-PUBLIC)	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000370	NYS-25	Letter, State of NY to U.S. NRC ASLB, Indian Point Nuclear Generating Station Units 2 and 3, Docket Nos. 50-247-LR/50-286-LR, ASLBP No. 07-858-03-LR-BD01, attaching "Reasons for Non-concurrence on Draft Safety Evaluation for the Electric Power Research Institute's Topical Report (TR) MATerials Reliability Program (MRP) report 1016596 (MRP-227), Revision 0, 'Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines,'" R.I. Tregoning RES/DE (ML110770169) and "Comments for the Document Sponsor to Consider Pertaining to Non-Concurrence on Draft Safety Evaluation for the Electric Power Research Institute's Topical Report (TR) Materials Reliability Program (MRP) Report 1016596 (MRP-227), Revision 0, 'Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines,'" M.J. Case RES/DE (ML110810787) (Apr. 29, 2011) ("Apr. 29, 2011 NYS Letter")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000371	NYS-38/RK-TC-5	Initial Statement of Position of State of New York and Riverkeeper in support of Contention NYS-38/RK-TC-5 (Jun. 19, 2012)	6/19/2012
NYS000372	NYS-38/RK-TC-5	Pre-filed Testimony of Dr. David J. Duquette in support of Contention NYS-38/RK-TC-5 (Jun. 14, 2012)	6/19/2012
NYS000373	NYS-38/RK-TC-5	Report of Dr. David J. Duquette regarding Contention NYS-38/RK-TC-5 (Jun. 7, 2012)	6/19/2012
NYS000374	NYS-38/RK-TC-5	Pre-filed Testimony of Dr. Richard T. Lahey regarding Contention NYS-38/RK-TC-5 (Jun. 18, 2012)	6/19/2012
NYS000375	NYS-38/RK-TC-5	Nuclear Steam Supply System (Westinghouse MB 3618A diagram)	6/19/2012
NYS000376	NYS-38/RK-TC-5	Westinghouse Steam Generator (Westinghouse MB 3593 diagram)	6/19/2012
NYS000377	NYS-38/RK-TC-5	Steam Generator Tube Operational Experience (ML013100106)(from NRC Website (Nov. 2, 2000))	6/19/2012
NYS000378	NYS-38/RK-TC-5	History of Westinghouse Model 44 Steam Generators (ML013100106)(from NRC Website (Nov. 2, 2000))	6/19/2012

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000379	NYS-38/RK-TC-5	NRC Generic Letter No. 85-02, Staff Recommended Actions Stemming From NRC Integrated Program for the Resolution of Unresolved Safety Issues Regarding Steam Generator Tube Integrity (ML031150391)(Apr. 17, 1985)	6/19/2012
NYS000380	NYS-38/RK-TC-5	Gorman, et al., Companion Guide to ASME Boiler & Pressure Vessel Code, Chapter 44, PWR Reactor Vessel Alloy 600 Issues (Dec. 19, 2009)	6/19/2012
NYS000381	NYS-38/RK-TC-5	G. Roussel, "Management of the Nickel-Base Alloy Cracking in Butt Welds at Belgian Nuclear Power Plants" in Aging Issues in Nuclear Power Plants (NuPeer 2005)	6/19/2012
NYS000382	NYS-38/RK-TC-5	Westinghouse presentation to NRC Staff, AP1000 Draft Safety Evaluation Report LBB Open Items (ML032300182)(Jul. 11, 2003)	6/19/2012

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000383	NYS-38/RK-TC-5	H. Cothron, EPRI Final Report 1014982 (redacted) Divider Plate Cracking in Steam Generators, Results of Phase 1: Analysis of Primary Water Stress Corrosion Cracking and Mechanical Fatigue in the Alloy 600 Stub Runner to Divider Plate Weld Material, Non-Proprietary Version (ML072970190)(June 2007)	6/19/2012
NYS000384	NYS-38/RK-TC-5	EPRI Final Report 1014982 (unredacted) Divider Plate Cracking in Steam Generators, Results of Phase 1: Analysis of Primary Water Stress Corrosion Cracking and Mechanical Fatigue in the Alloy 600 Stub Runner to Divider Plate Weld Material (June 2007) (available on EPRI website)	6/19/2012
NYS000385	NYS-38/RK-TC-5	H. Cothron, EPRI Report 1016552 (redacted) Divider Plate Cracking in Steam Generators, Results of Phase II: Evaluation of a Cracked Divider Plate on LOCA and Non-LOCA Analyses (ML083650073)(November 2008)	6/19/2012

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000386	NYS-38/RK-TC-5	H. Cothron, EPRI Report 1019040 (redacted) Steam Generator Management Program Steam Generator Divider Plate Cracking Engineering Study, Non-Proprietary Version (ML100491594)(Dec. 31, 2009)	6/19/2012
NYS000387	NYS-38/RK-TC-5	C. Cassino, Westinghouse Presentation, NEI Steam Generator Task Force Divider Plate Cracking Issue Update (ML072606144)(Jul. 25, 2007)	6/19/2012
NYS000388	NYS-38/RK-TC-5	M. Evans and R. Taylor, Bilateral Exchange: Steam Generator Divider Plate Cracking, USNRC Presentation (ML102460404)(Sept. 15, 2010)	6/19/2012
NYS000389	NYS-38/RK-TC-5	NRC Request for Additional Information re IP2 and IP3 License Renewal Application (ML110190809)(Feb. 10, 2011)	6/19/2012
NYS000390	NYS-38/RK-TC-5	NEI Steam Generator Task Force - NRC/Industry Update (ML110490077)(Feb. 18, 2011)	6/19/2012
NYS000391	NYS-38/RK-TC-5	NEI Steam Generator Task Force - NRC/Industry Update (Aug. 4, 2011)	6/19/2012

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000392	NYS-38/RK-TC-5	EPRI presentation, Steam Generator Task Force / Nuclear Regulatory Commission Biannual Meeting (ML12047A296)(Feb. 16, 2012)	6/19/2012
NYS000393	NYS-38/RK-TC-5	EPRI, Nuclear Sector Roadmaps, Materials Aging And Degradations, Action Plan Roadmap Summary & In Use: Aging Management of Alloy 600 and Alloy 82/182 in the Steam Generator Channel Head Assembly (January 2012), Excerpted: pp. cover, 3-5, 7-8, 36-38	6/19/2012
NYS000394	NYS-38/RK-TC-5	EPRI, 2012 Research Portfolio, Steam Generator Management (2012)	6/19/2012
NYS000395	NYS-38/RK-TC-5	Entergy letter to ASLB re status of fatigue analysis (May 15, 2012)	6/19/2012
NYS000396	NYS-38/RK-TC-5	Letter, Christopher G. Miller to Sarah Hofmann, Vermont Department of Public Service, Regarding Response to Question in State of Vermont Letter of December 23, 2011 (ML12103A158) (Mar. 20, 2012)	6/19/2012

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NYS000397	NYS-38/RK-TC-5	Declaration of Assistant Attorney General John J. Sipos (Jun. 19, 2012) ("PFT Sipos Decl. NYS-38/RK-TC-5")	6/19/2012
NYS000439	NYS-26B/RK-TC-1B	Revised Statement of Position of the State of New York in support of Contention NYS-26B/RK-TC-1B (Jun. 29, 2012) (NON-PUBLIC)	6/29/2012
NYS000440	NYS-26B/RK-TC-1B	Pre-filed Rebuttal Testimony of Dr. Richard T. Lahey, Jr. in support of Contention NYS-26B/RK-TC-1B (Jun. 29, 2012) (NON-PUBLIC)	6/29/2012
NYS000450	NYS-5	Entergy Letter NL-12-149 to U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Subject: Clarification of Underground Piping Information Provided in Letter NL-11-032 Regarding the License Renewal Application, Indian Point Nuclear Generating Unit Nos. 2 & 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Oct. 18, 2012)	11/9/2012
NYS000451	NYS-38/RK-TC-5	State of New York and Riverkeeper Inc. Revised Statement of Position In Support of Joint Contention NYS-38/RK-TC-5 (Nov. 9, 2012)	11/9/2012

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000452	NYS-38/RK-TC-5	Pre-filed Written Rebuttal Testimony of Dr. David J. Duquette In Support of Joint Contention NYS-38/RK-TC-5 (Nov. 8, 2012)	11/9/2012
NYS000453	NYS-38/RK-TC-5	Pre-filed Written Rebuttal Testimony of Dr. Richard T. Lahey, Jr. In Support of Joint Contention NYS-38/RK-TC-5 (Nov. 9, 2012)	11/9/2012
NYS000454	NYS-38/RK-TC-5	Comparison of GALL Rev. 1 with GALL Rev. 2 on Steam Generator Divider Plates	11/9/2012
NYS000455	NYS-38/RK-TC-5	Comparison of GALL Rev. 1 with GALL Rev. 2 on Tube to Tube Sheet Welds	11/9/2012
NYS000456	NYS-38/RK-TC-5	History of Steam Generators, Indian Point Unit 2 and Unit 3	11/9/2012
NYS000457	NYS-38/RK-TC-5	NRC's Response to the February 15, 2000 Steam Generator Tube Rupture at Indian Point Unit 2 Power Plant, Case No. 00-03S (Aug. 29, 2000)	11/9/2012
NYS000458	NYS-38/RK-TC-5	Email; From K. Karwoski; To: M. Khanna; Subject: Plants who have Replaced Steam Generators; Attachments: Steam Generator Replacements - Completed.doc; Sent: Thursday, October 08, 2009, 12:16 PM (ML100750361)	11/9/2012

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NYS000459	NYS-38/RK-TC-5	Letter; From: R.J. Conte, Chief, Engineering Branch 1, Division of Reactor Safety; To: C. Wamser, Entergy Nuclear Operations, Inc., Vermont Yankee Nuclear Power Station; Vermont Yankee Nuclear Power Station - NRC Integrated Inspection Report 05000271/2011011 (ML113560064) (Dec. 22, 2011)	11/9/2012
NYS000460	NYS-38/RK-TC-5	Letter; From: S. Hofmann, Deputy Commissioner, State of Vermont Department of Public Service; To: W. Dean, Regional Administrator, U.S. NRC Region I; Re: Commitment Change Process (Dec. 23, 2011)	11/9/2012
NYS000461	NYS-38/RK-TC-5	Letter; From: Representative E. Markey; To: G. Jaczko, Chairman, NRC regarding Vermont Yankee Inspection Report (ML12103A406) (Mar. 16, 2012)	11/9/2012

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NYS000462	NYS-38/RK-TC-5	Letter; From: R. J. Conte, Chief, Engineering Branch 1, Division of Safety, NRC; To: C. Warner, Site Vice President, Entergy Nuclear Operations, Inc., Vermont Yankee Nuclear Power Plant; Subject: Vermont Yankee Nuclear Power Station - NRC Inspection Report 05000271/2012008 (Apr. 20, 2012)	11/9/2012
NYS000463	NYS-38/RK-TC-5	Slides (EPRI), NRC/EPRI Steam Generator Task Force Meeting (ML12234A683) (Aug. 21, 2012)	11/9/2012
NYS000464	NYS-38/RK-TC-5	Declaration of John J. Sipos In Support of Joint Contention NYS-38/RK-TC-5 (Nov. 9, 2012)	11/9/2012
NYSR00472	NYS-38/RK-TC-5	Dolley, Stephen, "DOE plan coordinates R&D on extending LWR lifetimes," Nucleonics Week, p. 2, Vol. 53, No. 6 (Feb. 9, 2012)	2/1/2013
NYS000481	NYS-25	Revised Statement of Position of the State of New York in support of Contention NYS-25 (Public, Redacted) (June 9, 2015)	6/9/2015
NYS000481	NYS-25	Revised Statement of Position of the State of New York in support of Contention NYS-25 (Non-Public, Non-Redacted) (June 9, 2015)	6/9/2015

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NYS000482	NYS-25	Revised Pre-filed Written Testimony of Richard T. Lahey, Jr. in support of Contention NYS-25 (Public, Redacted) (June 2, 2015)	6/9/2015
NYS000482	NYS-25	Revised Pre-filed Written Testimony of Richard T. Lahey, Jr. in support of Contention NYS-25 (Non-Public, Non-Redacted) (June 2, 2015)	6/9/2015
NYS000483	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Declaration of Richard T. Lahey, Jr. in Support of Contention NYS-25 (Feb. 12, 2015)(Public, Redacted) (ML15044A492)	6/9/2015
NYS000483	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Declaration of Richard T. Lahey, Jr. in Support of Contention NYS-25 (Feb. 12, 2015)(Non-Public, Non-Redacted) (ML15044A510)	6/9/2015
NYS00484A-NYS00484B	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-7153, Vol. 2, Expanded Materials Degradation Assessment (EMDA), Aging of Core Internals and Piping Systems (October 2014) (ML14279A331)	6/9/2015

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NYS000485	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	DOE, Office of Nuclear Energy, Light Water Reactor Sustainability Program: Materials Aging and Degradation Pathway Technical Program Plan, ORN/LTR-2012/327, Rev. 1 (August 2014), available at https://inlportal.inl.gov/portal/server.pt/community/lwrs_program/442/program_documents	6/9/2015
NYS000486	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Stevens, Gary L., Presentation to ACRS on Technical Brief on Regulatory Guidance for Evaluating the Effects of Light Water Reactor Coolant Environments in Fatigue Analyses of Metal Components (December 2, 2014) (ML14351A368)	6/9/2015
NYS000487	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-7027 (ANL-10-11), Degradation of LWR Core Internal Materials due to Neutron Irradiation (December 2010)(ML102790482)	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS00488A-B	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-7184 (ANL-12/56), Chen, et al., Crack Growth Rate and Fracture Toughness Tests on Irradiated Cast Stainless Steels (Revised December 2014) (ML14356A136)	6/9/2015
NYS000489	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Slides, EPRI, Industry-NRC Meeting, CASS Screening Criteria for Thermal and Irradiation Embrittlement for BWR and PWR Internals (July 15, 2014) (ML14211A661)	6/9/2015
NYS00490A-NYS00490B	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-6909, Rev. 1, ANL-12/60, Office of Nuclear Regulatory Research, Effect of LWR Coolant Environments on the Fatigue Life of Reactor Materials, Draft Report for Comment (March 2014) (ML14087A068)	6/9/2015
NYS000491	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Stevens, Gary L., et al., Observations and Recommendations for Further Research Regarding Environmentally Assisted Fatigue Evaluation Methods, 40th MPA-Seminar, Materials Testing Institute, University of Stuttgart, Stuttgart, Germany (October 6-7, 2014) (ML14258A039)	6/9/2015

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NYS000492	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Transcript of Briefing on Subsequent License Renewal to NRC Commissioners (May 8, 2014), available at http://www.nrc.gov/reading-rm/doc-collections/commission/tr/2014/20140508.pdf	6/9/2015
NYS000493	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Chopra, Omesh, Public Comment on NRC-2010-0180-0001, Availability of Draft NUREG-1800, Revision 2 and Draft NUREG-1801, Revision 2 (June 9, 2010) (ML101660084)	6/9/2015
NYS000494	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	U.S. NRC Regulatory Issue Summary 2014-11: Information on Licensing Application for Fracture Toughness Requirements for Ferritic Reactor Coolant Pressure Boundary Components (October 14, 2014) (ML14149A165)	6/9/2015
NYS000495	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Slides, "Irradiation Assisted Degradation of LWR Core Internal Materials: Brief Review," Presentation by Appajosula S. Rao, U.S. Nuclear Regulatory Commission, Office of Nuclear Regulatory Research, (April 14, 2015) (ML15103A129)	6/9/2015

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NYS000496	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, License Renewal Application - Revised Reactor Vessel Internals Program and Inspection Plan, NL-12-037 (February 17, 2012) (ML12060A312)	6/9/2015
NYS000497	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-12-089 (June 14, 2012)(Also Exhibit NRC000153 & Exhibit ENT000554) (ML12167A008)	6/9/2015
NYS000498	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, License Renewal Application - Revised Reactor Vessel Internals Program and Inspection Plan, NL-12-134 (September 28, 2012) (ML12285A232)	6/9/2015

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NYS000499	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-12-140 (October 17, 2012) (ML12300A391)	6/9/2015
NYS000500	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-12-166 (November 20, 2012) [Non-proprietary version] (ML12352A095)	6/9/2015
NYS000501	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-13-052 (May 7, 2013) (ML13142A202)	6/9/2015
NYS000502	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-13-122 (September 27, 2013) (ML13270A250)	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000503	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-14-013 (January 28, 2014) (ML14038A150)	6/9/2015
NYS000504	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-14-067 (June 9, 2014) (ML14176A159)	6/9/2015
NYS000505	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-14-093 (August 5, 2014) (ML14225A777)	6/9/2015
NYS000506	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Reply to Request for Additional Information Regarding the License Renewal Application, NL-14-117 (September 8, 2014) (ML14267A270)	6/9/2015

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NYS000507	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-1930, Safety Evaluation Report Related to the License Renewal of Indian Point Nuclear Generating Unit Nos. 2 and 3, Supplement 2 (November 2014) (ML14310A803)	6/9/2015
NYS000508	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Tregoning, R.L., Reasons for Non-concurrence on Draft Safety Evaluation for the EPRI Topical Report (TR) Materials Reliability Program (MRP) Report 1016596 (MRP-227), Revision 0, Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines (March 22, 2011) (ML110770169)	6/9/2015
NYS000509	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Case, Michael J., Comments for the Document Sponsor to Consider Pertaining to Non-Concurrence on Draft Safety Evaluation for the EPRI Topical Report (TR) Materials Reliability Program (MRP) Report 1016596 (MRP-227), Revision 0, Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines, RES/DE (March 22, 2011) (ML110810787)	6/9/2015

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NYS000510	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse Propriety Report, Class-2, Indian Point Unit 2 and Unit 3 EAF Screening Evaluations, CN-PAFM-12-35, Rev. 1 (Nov. 2012) (IPECPROP00072778) [PROPRIETARY]	6/9/2015
NYS000511	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, Indian Point Unit 2 (IP2) and Unit 3 (IP3) Refined EAF Analyses and EAF Screening Evaluations, Phase 2, Rev. 1, CN-PAFM-13-32 (2013) (IPECPROP00078338) [PROPRIETARY]	6/9/2015
NYS000512	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse Propriety Report, Class-2, Indian Point Unit 2 Pressurizer Spray Model Transfer Function Data Base Development and Environmental Fatigue Evaluations, CN-PAFM-13-40 (2013) (IPECPROP00079751) [PROPRIETARY]	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000513	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Kupper, C.T. and Gray, M.A., Westinghouse, License Renewal Environmental Fatigue Screening Application, Paper No. PVP2014-29093, Proceedings of the ASME 2014 Pressure Vessels & Piping Conference, Anaheim, California (July 20-24, 2014) [Full-Text Copyrighted]	6/9/2015
NYS000514	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Kline, S. J. and McClintock, F. A., "Describing Uncertainties in Single-Sample Experiments," J. Mech. Eng. (January 1953) [Full-Text Copyrighted]	6/9/2015
NYS000515	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	U.S. NRC Inspection Report with notices of non-conformance for Westinghouse's Quality Assurance Program (April 24, 2015) (ML15070A213)	6/9/2015

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NYS000516	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Troyer, Greg and Devan, Matthew, An Assessment of Branch Technical Position 5-3 to Determine Unirradiated RTNDT for SA-508 Cl.2 Forgings, Paper No. PVP2014-28897, Proceedings of the ASME 2014 Pressure Vessels and Piping Conference, Anaheim, California (July 20-24, 2014) [Full-Text Copyrighted]	6/9/2015
NYS000517	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Salas, Pedro, Regulatory Affairs Director, AREVA, Letter to USNRC regarding Potential Non-Conservatism in NRC Branch Technical Position 5-3 (January 30, 2014) (ML14038A265)	6/9/2015
NYS000518	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Kirk, Mark and Sheng, Simon, USNRC, Assessment of BTP 5-3 Protocols to Estimate RTNDT(u) and USE, (June 4, 2014) (ML14163A524)	6/9/2015
NYS000519	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Pressurized Water Reactor Owners Group, BTP 5-3 Industry Issue, Executive Review (October 28, 2014) (IPECPROP00081155) [PROPRIETARY]	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000520	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Kirk, M. et al., "Assessment of Fracture Toughness Models for Ferritic Steels Used in Section XI of the ASME Code Relative to Current Data-Based Model," PVP2014-28540, Proceedings of PVP2014, 2014 ASME Pressure Vessels and Piping Division Conference, Anaheim, CA (July 20-24, 2014) (ML14086A183)	6/9/2015
NYS000521	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG-0800, Rev. 2, Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants, LWR Edition, Branch Technical Position 5-3, Excerpted: pp. BTP-5-3-1 - BTP-5-3-8 (March 2007) (ML070850035)	6/9/2015
NYS000522	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Federal Register, 79 Fed. Reg. 69,884, Guidelines for Evaluating the Effects of Light-Water Reactor Coolant Environments in Fatigue Analyses of Metal Components [NRC-2014-0244] (November 24, 2014)	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000523	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NRC, Draft Regulatory Guide DG-1309 (Proposed Revision 1 of Regulatory Guide 1.207, dated March 2007), Guidelines for Evaluating the Effects of Light-Water Reactor Coolant Environments in Fatigue Analyses of Metal Components (November 2014) (ML14171A584)	6/9/2015
NYS000524	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NRC, Draft License Renewal Interim Staff Guidance, LR-ISG-2011-04, Updated Aging Management Criteria for PWR Reactor Vessel Internal Components (March 13, 2012) (ML12004A149)	6/9/2015
NYS00525A-NYS00525B	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Westinghouse, Indian Point Unit 2 - Reactor Internals Support Support Assembly Fatigue Assessment for Use in Environmental Assisted Fatigue Calculations, Rev. 0, CN-RIDA-13-57 (2013) (IPECPROP00079572) [PROPRIETARY]	6/9/2015
NYS000526	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Transcript, Advisory Committee on Reactor Safeguards, Plant License Renewal Subcommittee with Presentation Slides (April 23, 2015) (ML15133A270)	6/9/2015

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NYS000527	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	IP-RPT-11-LRD13, Entergy Nuclear Management Manual EN-DC-149, Review of the Fatigue Monitoring Aging Management Program for License Renewal Implementation (November 13, 2012) (IPEC00268373)	6/9/2015
NYS000528	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	US NRC Near-term Task Force Recommendation 2.1 Seismic Hazard Evaluation (June 19, 2014) (ML14169A489)	6/9/2015
NYS000529	NYS-26B/RK-TC-1B	Revised Statement of Position of the State of New York in support of Contention NYS-26B/RK-TC-1B (Public, Redacted) (June 9, 2015)	6/9/2015
NYS000529	NYS-26B/RK-TC-1B	Revised Statement of Position of the State of New York in support of Contention NYS-26B/RK-TC-1B (Non-Public, Non-Redacted) (June 9, 2015)	6/9/2015
NYS000530	NYS-26B/RK-TC-1B	Revised Pre-filed Written Testimony of Richard T. Lahey, Jr. in support of Contention NYS-26B/RK-TC-1B (Public, Redacted) (June 2, 2015)	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000530	NYS-26B/RK-TC-1B	Revised Pre-filed Written Testimony of Richard T. Lahey, Jr. in support of Contention NYS-26B/RK-TC-1B (Non-Public, Non-Redacted) (June 2, 2015)	6/9/2015
NYS000531	NYS-38/RK-TC-5	Revised Statement of Position of the State of New York in support of Contention NYS-38/RK-TC-5 (Public, Redacted) (June 9, 2015)	6/9/2015
NYS000531	NYS-38/RK-TC-5	Revised Statement of Position of the State of New York in support of Contention NYS-38/RK-TC-5 (Non-Public, Non-Redacted) (June 9, 2015)	6/9/2015
NYS000532	NYS-38/RK-TC-5	Revised Pre-filed Written Testimony of David J. Duquette in support of Contention NYS-38/RK-TC-5 (Public, Redacted) (June 1, 2015)	6/9/2015
NYS000532	NYS-38/RK-TC-5	Revised Pre-filed Written Testimony of David J. Duquette in support of Contention NYS-38/RK-TC-5 (Non-Public, Non-Redacted) (June 1, 2015)	6/9/2015
NYS000533	NYS-38/RK-TC-5	Report, Indian Point 3 Steam Generator Program, Rev. 7, IP3-RPT-SG-01796 (July 1, 2005) (IPEC00239312)	6/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000534	NYS-38/RK-TC-5	Entergy, Engineering Report, Review of the Steam Generator Integrity Management Program for License Renewal Implementation, IP-RPT-11-LRD36, Rev. 0 (June 25, 2012) (IPEC00269432)	6/9/2015
NYS000535	NYS-38/RK-TC-5	Commitment Closure Verification Form, Commitment 41, IP2 and IP3 Steam Generator Inspections (April 24, 2013) (IPEC00277180)	6/9/2015
NYS000536	NYS-38/RK-TC-5	Indian Point Nuclear Generating Units 2 and 3 - NRC Integrated Inspection Report 05000247/2013002 and 05000286/2013002 (May 3, 2013) (ML13123A280)	6/9/2015
NYS000537	NYS-38/RK-TC-5	Dacimo, Fred, Entergy, letter to Document Control Desk, USNRC, Technical Specification 5.6.8. - IP3 Steam Generator Tube Inspection Report - Spring 2013 Refueling Outage, NL-13-032 (August 15, 2013) (ML13235A047)	6/9/2015
NYS000538	NYS-38/RK-TC-5	NRC Information Notice 2013-20: Steam Generator Channel Head and Tubesheet Degradation (October 3, 2013) (ML13204A143)	6/9/2015

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NYS000539	NYS-38/RK-TC-5	Ventosa, John, Entergy, letter to Document Control Desk, USNRC, Proposed License Amendment for Alternate Repair Criteria for Steam Generator Tube Inspection and Repair, NL-14-001 (January 16, 2014) (ML14027A514)	6/9/2015
NYS000540	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit No. 3 - Staff Summary of the Steam Generator Tube Inservice Inspections for the Spring 2013 Refueling Outage (TAC No. MF2614) (January 30, 2014) (ML14015A417)	6/9/2015
NYS000541	NYS-38/RK-TC-5	Indian Point Power Station - NRC Integrated Inspection Report 05000247/2014002 and 05000286/2014002 (May 9, 2014) (ML14132A170)	6/9/2015
NYS000542	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit No. 2 - Correction Letter to Amendment No. 277 Re: H* Alternate Repair Criteria for Steam Generator Tube Inspection and Repair (TAC No. MF3369) (September 30, 2014) (ML14252A679)	6/9/2015

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NYS000543	NYS-38/RK-TC-5	Ventosa, John, Entergy, letter to Document Control Desk, USNRC, Steam Generator Examination Program Results 2014 Refueling Outage (2R21), Indian Point Unit No. 2, NL-14-113 (September 8, 2014) (ML14262A059)	6/9/2015
NYSR0544A-NYSR0544D	NYS-38/RK-TC-5	EPRI, Technical Report (3002002850), Steam Generator Management Program: Investigation of Crack Initiation and Propagation in the Steam Generator Channel Head Assembly, Final Report (October 2014) (Color Version) (IPECPROP00080904) [PROPRIETARY]	9/9/2015
NYS000545	NYS-38/RK-TC-5	Coyle, Lawrence, Entergy, letter to Document Control Desk, USNRC, Response to Request for Additional Information (RAI) for the Steam Generator Examination Program Results 2014 Refueling Outage (2R21), Indian Point Unit No. 2, NL-15-001 (January 15, 2014) (ML15029A298)	6/9/2015
NYS00546	NYS-38/RK-TC-5	Slides, NRC/EPRI Steam Generator Task Force Meeting (February 12, 2015) (ML15043A610)	6/9/2015

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NYS00547	NYS-38/RK-TC-5	Westinghouse WCAP-17828 Indian Point Unit 2 H* Alternate Repair Criteria (January 2014) (ML14027A515)	6/9/2015
NYS000548	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit 3 Event 51046 Offsite Notification Due To Shutdown For An Unisolable Steam Leak (May 7, 2015)	6/9/2015
NYS000549	NYS-38/RK-TC-5	Letter, C579MPENT-12-002, Westinghouse Nuclear Safety Advisory Letter NSAL-12-1, Steam Generator Channel Head Degradation (January 6, 2012) (IPECPROP00078537) [PROPRIETARY]	6/9/2015
NYS000550	NYS-38/RK-TC-5	Slides, NRC/EPRI Steam Generator Task Force Meeting (February 6, 2013) (ML13037A891)	6/9/2015
NYS000551	NYS-38/RK-TC-5	NRC Information Notice 2013-11: Crack-Like Indications at Dents/Dings and in the Freespan Region of Thermally Treated Alloy 600 Steam Generator Tubes (July 3, 2013) (ML13127A236)	6/9/2015
NYS000552	NYS-38/RK-TC-5	Review of Lessons Learned from the San Onofre Steam Generator Tube Degradation Event (March 6, 2015) (ML15015A419)	6/9/2015

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NYS000553	NYS-38/RK-TC-5	Commitment Closure Verification Form, Commitment 42, IP2 and IP3 Develop Plan for Each Unit to Address the Potential for Cracking of the Primary to Secondary Pressure Boundary Due to PWSCC of Tube-to-tubesheet welds (October 15, 2014) (IPEC00277167)	6/9/2015
NYS000554	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit 2 Steam Generator Program Report Revision 2 (July 25, 2007) (IPEC00243510)	6/9/2015
NYS000555	NYS-38/RK-TC-5	Indian Point Nuclear Generating Units 2 and 3 Steam Generator Program Update (November 15, 2011) (IPEC00243625)	6/9/2015
NYS000556	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit Nos. 2 and 3 - Issuance of Amendments Regarding Implementation of Technical Specification Task Force 510, "Revision to Steam Generator Program Inspection Frequencies and Tube Sample Selection," TAC Nos. MF3752 and MF3753, (May 26, 2015) (ML15110A009)	6/9/2015

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Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01

Evidentiary Hearing

State of New York ("NYS") Track 2 Hearing Exhibits

NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000557	NYS-38/RK-TC-5	NRC Weekly Information Report (May 15, 2015) (ML15138A267)	6/9/2015
NYS000558	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit Nos. 2 and 3 - License Renewal Application, Excerpted: pp. 2.3-36 and 2.3-39	6/9/2015
NYS000559	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit Nos. 2 and 3 - License Renewal Application, Excerpted: pp. 4.3-14 and 4.3-15.	6/9/2015
NYS000560	NYS-38/RK-TC-5	Indian Point Steam Generator Materials - Summary Table	6/9/2015
NYS000561	NYS-38/RK-TC-5	Indian Point Nuclear Generating Unit 3 Event 51060 Unusual Event Declared Due To Main Transformer Fire (May 9, 2015)	6/9/2015
NYS000562	NYS-38/RK-TC-5	Revised Pre-filed Testimony of Dr. Richard T. Lahey, Jr. in Support of Joint Contention NYS-38/RK-TC-5 (Non-Public, Non-Redacted) (June 9, 2015)	6/9/2015
NYS000562	NYS-38/RK-TC-5	Revised Pre-filed Testimony of Dr. Richard T. Lahey, Jr. in Support of Joint Contention NYS-38/RK-TC-5 (Public, Redacted) (June 9, 2015)	6/9/2015

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NYS000563	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Pressurized Water Reactor (PWR) Systems, USNRC Technical Training Center, Reactor Concepts Manual, pages 4-1 to 4-28.	9/9/2015
NYS000564	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Irradiation Embrittlement of PWR Reactor Internals, Arai, ASME JSME (1993)	9/9/2015
NYS000565	NYS-25, NYS-26B/RK-TC-1B	Technical Letter Report on Literature Review and Assessment of Potential Seismic Effects on Ongoing Material Degradation - Tensile Strength, Fracture Toughness and Physical Properties. (June 25, 2015)	9/9/2015
NYS000566	NYS-25, NYS-26B/RK-TC-1B	Figure 1 for Supplemental Reply Testimony of Dr. Richard T. Lahey	9/9/2015
NYS000567	NYS-25	Pre-filed Supplemental Reply Testimony of Richard T. Lahey, Jr. in support of Contention NYS-25 (Public, Redacted) (September 9, 2015)	9/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000567	NYS-25	Pre-filed Supplemental Reply Testimony of Richard T. Lahey, Jr. in support of Contention NYS-25 (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015
NYS000568	NYS-25	Supplemental Reply Statement of Position of the State of New York in support of Contention NYS-25 (Public, Redacted) (September 9, 2015)	9/9/2015
NYS000568	NYS-25	Supplemental Reply Statement of Position of the State of New York in support of Contention NYS-25 (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015
NYS000569	NYS-26B/RK-TC-1B	Pre-filed Supplemental Reply Testimony of Richard T. Lahey, Jr. in support of Contention NYS-26B/RK-TC-1B (Public, Redacted) (September 9, 2015)	9/9/2015
NYS000569	NYS-26B/RK-TC-1B	Pre-filed Supplemental Reply Testimony of Richard T. Lahey, Jr. in support of Contention NYS-26B/RK-TC-1B (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000570	NYS-26B/RK-TC-1B	Supplemental Reply Statement of Position of the State of New York and Riverkeeper, Inc. in support of Contention NYS-26B/RK-TC-1B (Public, Redacted) (September 9, 2015)	9/9/2015
NYS000570	NYS-26B/RK-TC-1B	Supplemental Reply Statement of Position of the State of New York and Riverkeeper, Inc. in support of Contention NYS-26B/RK-TC-1B (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015
NYS000571	NYS-38/RK-TC-5	Pre-filed Supplemental Reply Testimony of David J. Duquette in support of Contention NYS-38/RK-TC-5 (Public, Redacted) (September 9, 2015)	9/9/2015
NYS000571	NYS-38/RK-TC-5	Pre-filed Supplemental Reply Testimony of David J. Duquette in support of Contention NYS-38/RK-TC-5 (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015
NYS000572	NYS-38/RK-TC-5	Pre-filed Supplemental Reply Testimony of Richard T. Lahey, Jr. in support of Contention NYS-38/RK-TC-5 (Public, Redacted) (September 9, 2015)	9/9/2015

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State of New York ("NYS") Track 2 Hearing Exhibits

NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000572	NYS-38/RK-TC-5	Pre-filed Supplemental Reply Testimony of Richard T. Lahey, Jr. in support of Contention NYS-38/RK-TC-5 (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015
NYS000573	NYS-38/RK-TC-5	Supplemental Reply Statement of Position of the State of New York and Riverkeeper, Inc. in support of Contention NYS-38/RK-TC-5 (Public, Redacted) (September 9, 2015)	9/9/2015
NYS000573	NYS-38/RK-TC-5	Supplemental Reply Statement of Position of the State of New York and Riverkeeper, Inc. in support of Contention NYS-38/RK-TC-5 (Non-Public, Non-Redacted) (September 9, 2015)	9/9/2015
NYS000574	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-7184, ANL-12/56, Crack Growth Rate and Fracture Toughness Tests on Irradiated Cast Stainless Steels (July 2015)	9/23/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000575	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	NUREG/CR-7185, ANL-14/10, Effects of Thermal Aging and Neutron Irradiation on Crack Growth Rate and Fracture Toughness of Cast Stainless Steels and Austenitic Stainless Steel Welds (July 2015)	9/23/2015
NYS000576	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Supplemental Pre-Filed Testimony of Dr. Richard T. Lahey, Jr. (September 23, 2015)	9/23/2015
NYS000577	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Figure, The Developing Length (L_t) for a Thermal Boundary Layer (S_t), Developed by Dr. Richard T. Lahey, Jr. (Full-Text Copyright)	11/13/2015
NYS000578	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Figure, The Effect of Nodalization on Convective Temperature Transients, Developed by Dr. Richard T. Lahey, Jr. (Full-Text Copyright)	11/13/2015
NYS000579	NYS-38/RK-TC-5	Chart, Steam Generator Materials of Construction and Chromium Content, Developed by Dr. David J. Duquette (NON-PUBLIC)	11/13/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000580	NYS-38/RK-TC-5	Andresen, Peter L., et al., PWSCC of Alloys 690, 52 and 152, 13th International Conference on Environmental Degradation of Materials in Nuclear Power Systems, Whistler, British Columbia, August 19-23, 2007 (Full-Text Copyright)	11/13/2015
NYS000581	NYS-38/RK-TC-5	Slides, EPRI, Alloy 690/52/152 PWSCC Testing, Technical Exchange Meeting on Materials, NRC, June 3-5, 2014 (Full-Text Copyright)	11/13/2015
NYS000582	NYS-25, NYS-26B/RK-TC-1B, NYS-38/RK-TC-5	Drawing, concerning impulsive loads prepared during ASLB Testimony of and by Dr. Richard T. Lahey, Jr. (Nov. 16, 2015)	11/17/2015

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000583		WCAP-17941-P, Rev. 1, Indian Point Units 2 and 3 Inspection Response Plan for Aging Management of MRP-227-A Primary and Expansion Components, January 12, 2016 (disclosed by Entergy on January 13, 2016) (IPECPROP00085900)(Contains Westinghouse-Designated Proprietary Information Subject to Nondisclosure Agreement; Full-text copyrighted)	2/5/2016
NYS000584		WCAP-17949-P, Rev. 0, Background and Technical Basis Supporting Engineering Flaw Acceptance Criteria for Indian Point Unit 2 Reactor Vessels Internals MRP-227-A Primary and Expansion Components, January 12, 2016 (disclosed by Entergy on January 13, 2016) (IPECPROP00085359)(Contains Westinghouse-Designated Proprietary Information Subject to Nondisclosure Agreement; Full-text copyrighted)	2/5/2016

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000585		WCAP-17951-P, Rev. 0, Background and Technical Basis Supporting Engineering Flaw Acceptance Criteria for Indian Point Unit 3 Reactor Vessels Internals MRP-227-A Primary and Expansion Components, January 12, 2016 (disclosed by Entergy on January 13, 2016) (IPECPROP000856629)(Contains Westinghouse-Designated Proprietary Information Subject to Nondisclosure Agreement; Full-text copyrighted)	2/5/2016
NYS000586		WCAP-18048-P, Rev. 0, Determination of Acceptable Baffle-Former Bolting for Indian Point Units 2 and 3, January 12, 2016 (disclosed by Entergy on January 13, 2016) (IPECPROP00086434)(Contains Westinghouse-Designated Proprietary Information Subject to Nondisclosure Agreement; Full-text copyrighted)	2/5/2016

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000587		Eason and Pathania Papre, "Disposition Curves for Irradiation-Assisted Stress Corrosion Cracking of Austenitic Stainless Steels in Light Water Reactor Environments" (ASME PVP2015-45223)	2/5/2016
NYS000588		NRC Inspection Report, Indian Point Unit 3, 05000286/2015011 (November 19, 2015) (ML15323A026)	2/5/2016
NYS000589		Revised Track 2 New York State Exhibits List	2/5/2016