

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
NRC Staff Hearing Exhibits

	
United States Nuclear Regulatory Commission Official Hearing Exhibit In the Matter of: Entergy Nuclear Operations, Inc. (Indian Point Nuclear Generating Units 2 and 3)	
ASLBP #: 07-858-03-LR-BD01 Docket #: 05000247 05000286 Exhibit #: NRCR80001-00-BD01 Admitted: Rejected: Other:	Identified: 11/27/2013 Withdrawn: Stricken:

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
<u>NRCR80001</u>	ALL	NRC Staff Pre-filed Hearing Exhibit List (REVISED)	04/22/2013
NRC000002	ALL	NUREG-1437, Volumes 1-2: Generic Environmental Impact Statement for License Renewal of Nuclear Plants (May 1996) ("GEIS") (Incorporates Exhibit NYS000131A-I submitted by the State of New York ("New York"))	03/31/2012
NRC000003	ALL	NUREG-1437, Volumes 1-2: Supplement 38: Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Regarding Indian Point Nuclear Generating Unit Nos. 2 and 3 – Draft Report for Comment (December 2008) ("DSEIS") (Incorporates New York Exhibit NYS000132A-D)	03/31/2012
NRC000004	ALL	NUREG-1437, Volumes 1-3: Supplement 38: Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Regarding Indian Point Nuclear Generating Unit Nos. 2 and 3 – Final Report (December 2010) ("FSEIS") (Incorporates New York Exhibit NYS000133A-J)	03/31/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000005	ALL	NUREG-1930, Volumes 1-2: Safety Evaluation Report – Related to the License Renewal of Indian Point Nuclear Generating Unit Nos. 2 and 3 (November 2009) (“SER”) (Incorporates New York Exhibit NYS000326A-F)	03/31/2012
NRC000006	ALL	NUREG-1930, Supplement 1: Safety Evaluation Report – Related to the License Renewal of Indian Point Nuclear Generating Unit Nos. 2 and 3 (August 2011) (“SER Supplement 1”) (Incorporates New York Exhibit NYS000160)	03/31/2012
NRC000007	ALL	Letter from Advisory Committee on Reactor Safeguards (“ACRS”) Chairman Mario Bonaca (ACRS) to Chairman Jaczko (NRC), “Report on the Safety Aspects of the License Renewal Application for the Indian Point Nuclear Generating Unit Nos. 2 and 3” (Sept. 23, 2009) (“ACRS Letter”) (Incorporates New York Exhibit NYS000325)	03/31/2012
NRC000008	ALL	NUREG-1801, Rev. 1: Generic Aging Lessons Learned (GALL) Report, Volumes 1-2 (September 2005) (“GALL Report, Rev. 1”) (Incorporates New York Exhibit NYS000146A-C)	03/31/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000009	ALL	NUREG-1801, Rev. 2: Generic Aging Lessons Learned (GALL) Final Report (December 2010) ("GALL Report, Rev. 2") (Incorporates New York Exhibit NYS000147A-D)	03/31/2012
NRC000010	ALL	NUREG-1800, Rev. 1: Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants (September 2005) ("SRP-LR") (Incorporates New York Exhibit NYS000195)	03/31/2012
NRC000011	ALL	NUREG-1555: Standard Review Plans for Environmental Reviews for Nuclear Power Plants (October 1999) ("ESRP") (Incorporates New York Exhibit NYS00019A)	03/31/2012
NRC000012	ALL	NUREG-1555, Supplement 1: Standard Review Plans for Environmental Reviews for Nuclear Power Plants – Supplement 1: Operating License Renewal (October 1999) ("ESRP Supp. 1") (Incorporates New York Exhibit NYS00019B)	03/31/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000013	ALL	NRC Regulatory Guide 4.2, Rev. 2: Preparation of Environmental Reports for Nuclear Power Stations (July 1976) ("RG 4.2") (Incorporates Exhibit ENT000023 submitted by Entergy Nuclear Operations, Inc. ("Entergy"))	03/31/2012
NRC000014	ALL	NRC Regulatory Guide 4.2, Supplement 1: Preparation of Supplemental Environmental Reports for Applications To Renew Nuclear Power Plant Operating Licenses (September 2000) ("RG 4.2, Supp. 1") (Incorporates Entergy Exhibit ENT000136)	03/31/2012
NRCR000015	NYS-5	NRC Staff's Statement of Position Concerning Contention NYS-5 (Buried Pipes and Tanks) (December 7, 2012) (REVISED)	12/07/2012
NRCR20016	NYS-5	NRC Staff's Testimony of Kimberly J. Green and William C. Holston Concerning Contention NYS-5 (Buried Pipes and Tanks) (December 7, 2012) (REVISED)	12/07/2012
NRC000017	NYS-5	Kimberly J. Green, Statement of Professional Qualifications (March 29, 2012)	03/29/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000018	NYS-5	William C. Holston, Statement of Professional Qualifications (March 29, 2012)	03/29/2012
NRC000019	NYS-5	Draft License Renewal Interim Staff Guidance LR-ISG-2011-03, "Changes to the Generic Aging Lessons Learned (GALL) Report, Revision 2, Aging Management Program XI.M41 'Buried and Underground Piping and Tanks'" ("Draft LR-ISG-2011003")	03/29/2012
NRC000020	NYS-5	Draft interim staff guidance; request for public comment, "Changes to the Generic Aging Lessons Learned (GALL) Report Revision 2 AMP XI.M41, "Buried and Underground Piping and Tanks," 77 Fed. Reg. 14,446 (March 9, 2012)	03/29/2012
NRC000021	NYS-5	Letter from Fred Dacimo (Entergy) to NRC Document Control Desk, "Correction to Previous Response Regarding Unit 1 Buried Piping, Indian Point Nuclear Generating Unit Nos. 1, 2 & 3" (NL-12-032) (Jan. 30, 2012)	03/29/2012
NRC000022	NYS-5	Letter from Mel Gray (NRC) to Joseph E. Pollock (Entergy), "Indian Point Nuclear Generating Unit 2 – NRC Integrated Inspection Report 05000247/2009-002" ("Integrated Inspection Report") (May 14, 2009)	03/29/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000023	NYS-5	Letter from Fred Dacimo (Entergy) to NRC Document Control Desk, "Reply to Request for Additional Information Regarding Offsite Power, Refueling Cavity, and Unit 2 Auxiliary Feedwater Pump room Fire Event, Indian Point Nuclear Generating Unit Nos. 2 & 3" (NL-09-079) (June 12, 2009)	03/29/2012
NRC000024	NYS-5	Generic Letter 90-05, "Guidance for Performing Temporary Non-Code Repair of ASME Code Class 1, 2, and 3 Piping" ("Generic Letter 90-05") (June 15, 1990)	03/29/2012
NRC000025	NYS-5	ASME International, "Case N-513-2, Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping, Section XI, Division 1" (February 20, 2004) (COPYRIGHT RESTRICTION)	03/29/2012
NRC000026	NYS-5	ASME International, "Case N-776 Alternative to IWA-5244 Requirements for Buried Piping, Section XI, Division 1" (April 9, 2010) (COPYRIGHT RESTRICTION)	03/29/2012
NRC000027	NYS-5	NACE International, NACE SP0169-2007, "Standard Practice Control of External Corrosion on Underground or Submerged Metallic Piping Systems" (2007) (COPYRIGHT RESTRICTION)	03/29/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000028	NYS-5	America Water Works Association ("AWWA") Standard C105, "AWWA C105/A21.5-10, Table A.1, Soil-test evaluation (Soil Characteristics Based on Samples Taken Down to Pipe Depth)," p. 3 (undated) ("AWWA Standard C105, Soil Corrosivity Ratings")	03/29/2012
NRC000029	NYS-5	NRC Inspection Manual, Temporary Instruction 2516/001, "Review of License Renewal Activities (Program Applicability: This temporary instruction (TI) applies to Indian Point Nuclear Generating Unit 2 and Pilgrim Nuclear Power Station only)" (March 30, 2011) ("TI 2516/001")	03/29/2012
NRC000030	NYS-8	NRC Staff's Statement of Position Concerning Contention NYS-8 (Transformers) (March 29, 2012)	03/29/2012
NRC000031	NYS-8	NRC Staff's Testimony of Roy K. Mathew and Sheila Ray Concerning Contention NYS-8 (Transformers) (March 29, 2012)	03/29/2012
NRC000032	NYS-8	Roy K. Mathew, Statement of Professional Qualifications	03/29/2012
NRC000033	NYS-8	Sheila Ray, Statement of Professional Qualifications	03/29/2012
NRC000034	NYS-8	IEEE 100, The Authoritative Dictionary of IEEE Standards Terms, Seventh Edition	03/29/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000035	NYS-8	National Fire Protection Recommended Practice 70B, "Recommended Practice for Electrical Equipment Maintenance" (COPYRIGHT RESTRICTION)	03/29/2012
NRCR000036	NYS-8	IEEE C57.106, "IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment" (COPYRIGHT RESTRICTION) (REVISED)	01/18/2013
NRC000037	NYS-8	N.Y. Utami, et al., "Evaluation Condition of Transformer Based on Infrared Thermography Results," <i>Properties and Application of Dielectric Materials</i> , IEEE 2009 (COPYRIGHT RESTRICTION)	03/29/2012
NRC000038	NYS-8	IEEE Std 62-1995, "IEEE Guide for Diagnostic Field Testing of Electric Power Apparatus -Part 1: Oil Filled Power Transformers, Regulators, and Reactors" (COPYRIGHT RESTRICTION)	03/29/2012
NRC000039	NYS-12C	NRC Staff's Statement of Position Concerning Contention NYS-12C	03/30/2012
NRC000040	NYS-16B	NRC Staff's Statement of Position Concerning Contention NYS-16B	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000041	NYS-12C/16B	NRC Staff Combined Testimony of Nathan Bixler, Tina Ghosh, Joseph Jones and Donald Harrison Concerning NYS-12C/16B	03/30/2012
NRC000042	NYS-12C/16B	Nathan Bixler Statement of Professional Qualifications	03/30/2012
NRC000043	NYS-12C/16B	Tina Ghosh Statement of Professional Qualifications	03/30/2012
NRC000044	NYS-12C/16B	Joseph Jones Statement of Professional Qualifications	03/30/2012
NRC000045	NYS-12C/16B	Donald Harrison Statement of Professional Qualifications	03/30/2012
NRC000046	NYS-12C/16B	EPA, <i>Empire Abrasive Blast N'Vac for Radiological Decontamination</i> , EPA600/R-11-014 May 2011	03/30/2012
NRC000047	NYS-12C/16B	Innovative Technology Summary Report for ALARA™ 1146 Strippable Coating, Department of Energy 1999	03/30/2012
NRC000048	NYS-12C/16B	R. Demmer, Large-Scale Urban Decontamination; DevelopmentsHistorical Examples, and Lessons Learned, Idaho National Laboratory 2007	03/30/2012
NRC000049	NYS-12C/16B	J. Beyea, et. al, Damages from a Major Release of ¹³⁷ Cs into the Atmosphere of the United States, 2004	03/30/2012
NRC000050	NYS-12C/16B	E. Lyman, Chernobyl on the Hudson? The Health and Economic Impacts of a Terrorist Attack at the Indian Point Nuclear Power Plant, 2004	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000051	NYS-12C/16B	D. Osborn et. al., Economic Costs from a Radiological Transportation Accident	03/30/2012
NRC000052	NYS-12C/16B	G. J. Edgington et. al., Presentation Slides, Decontamination of Cs-137, Pu-239, and Am-241 from Hard Surfaces using a Peelable Polymer-based Hydrogel, HealthPhysics Society Annual Meeting Pittsburgh, PA	03/30/2012
NRC000053	NYS-12C/16B	EPA, Radiation Protection – Plutonium, http://www.epa.gov/radiation/radionuclides/plutonium.html	03/30/2012
NRC000054	NYS-12C/16B	EPA, Radiation Protection – cesium, http://www.epa.gov/radiation/radionuclides/cesium.html	03/30/2012
NRC000055	NYS-12C/16B	U.S. Government Accountability Office, The Bureau's Plans for Reducing the Undercount Show Promise, but Key Uncertainties Remain, 2008	03/30/2012
NRC000056	NYS-12C/16B	NUREG-75/014 (WASH-1400), Reactor Safety Study – An Assessment of Accident Risks in U.S. Commercial Nuclear Power Plants, 1975	03/30/2012
NRC000057	NYS-12C/16B	NUREG/CR-4551, Volume 2, Part 7, Evaluation of Severe Accidents: Quantification of Major Input Parameters – MACCS Input	03/30/2012
NRC000058	NYS-12C/16B	NUREG/CR-3673, Economic Risks of Nuclear Power Reactor Accidents	03/30/2012
NRC000059	NYS-12C/16B	NUREG-1150, Severe Accident Risks: An Assessment for Five U.S. Nuclear Power Plants, 1990	03/30/2012
NRC000060	NYS-12C/16B	Fraction of Land Contaminated by Each Source Term Group (STG)	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC0000061	NYS-12C/16B	Site Specific MACCS2 Input Data for Indian Point Energy Center, Volume 1 (2006)	03/30/2012
NRC0000062	CW-EC-3A	NRC Staff's Statement of Position Concerning Contention CW-EC-3A	03/30/2012
NRC0000063	CW-EC-3A	NRC Staff's Testimony of Jeffrey J. Rikhoff and Patricia A. Milligan Concerning Contention CW-EC-3A	03/30/2012
NRC0000064	CW-EC-3A	Patricia A. Milligan Statement of Professional Qualifications	03/30/2012
NRC0000065	CW-EC-3A	Federal Emergency Management Agency and NRC, 44 CFR Appendix A to Part 353; 58 Fed. Reg. 47,997 (Sept. 14, 1994) ("FEMA/NRC MOU")	03/30/2012
NRC0000066	CW-EC-3A	NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants ("NUREG-0654/FEMA-REP-1")	03/30/2012
NRC0000067	CW-EC-3A	NUREG-0654/FEMA-REP-1, Rev. 1, Supplement 3, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants, Guidance for Protective Action Strategies (2011) ("NUREG-0654/FEMA-REP-1 Supp. 3")	03/30/2012
NRC0000068	CW-EC-3A	NUREG/CR-6864, Vol. 1, Identification and Analysis of Factors Affecting Emergency Evacuations ("NUREG/CR-6864")	03/30/2012
NRC0000069	CW-EC-3A	2010-2011 Putnam County Indian Point Emergency Guide ("Putnam IP Emergency Guide")	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000070	CW-EC-3A	2011-2012 Orange County Indian Point Emergency Guide ("Orange IP Emergency Guide")	03/30/2012
NRC000071	CW-EC-3A	National Institute for Chemical Studies, Sheltering in Place as a Public Protective Action (June 2001) ("NICS Study")	03/30/2012
NRC000072	CW-EC-3A	U.S. Department of Homeland Security ("DHS") in cooperation with the U.S. Department of Transportation, Nationwide Plan Review Phase 2 Report (June 2006) ("DHS Report")	03/30/2012
NRC000073	CW-EC-3A	Jeffrey A. Schwartz & David Webb, Hurricanes Katrina and Rita and the Louisiana Dept. of Public Safety and Corrections: A Chronicle and Critical Incident Review (May 2006) ("Hurricanes Katrina and Rita Incident Review")	03/30/2012
NRC000074	CW-EC-3A	The Chernobyl Forum, Chernobyl's Legacy: Health, Environmental and Socio-economic Impacts and Recommendations to the Governments of Belarus, the Russian Federation and Ukraine (September 2005) ("Chernobyl Recommendations")	03/30/2012
NRC000075	CW-EC-3A	US Department of Health and Human Services, Food and Drug Administration, Center for Drug Evaluation and Research, Guidance: Potassium Iodide as a Thyroid Blocking Agent in Radiation Emergencies (Dec. 2001) ("FDA Thyroid Guidance")	03/30/2012
NRC000076	NYS-6/7	NRC Staff's Statement of Position Concerning Contention NYS-6/7	03/30/2012
NRC000077	NYS-6/7	NRC Staff's Testimony of Clifford Doult and Duc Nguyen Concerning Contention NYS-6/7	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000078	NYS-6/7	Clifford Doult Statement of Professional Qualifications	03/30/2012
NRC000079	NYS-6/7	Duc Nguyen Statement of Professional Qualifications	03/30/2012
NRCR000080	NYS-17B	NRC Staff's Initial Statement of Position of Contention NYS-17, 17A, 17B (Land Use)	10/09/2012
NRCR000081	NYS-17B	NRC Staff's Testimony of Jeffrey J. Rikhoff, Andrew L. Stuyvenberg, and John P. Boska Concerning Contentions NYS-17, 17A and 17B (Land Use) (REVISED)	10/09/2012
NRC000082	NYS-17B	Jeffrey J. Rikhoff, Statement of Professional Qualifications	03/30/2012
NRC000083	NYS-17B	Andrew L. Stuyvenberg, Statement of Professional Qualifications	03/30/2012
NRC000084	NYS-17B	John P. Boska, Statement of Professional Qualifications	03/30/2012
NRC000085	NYS-17B	NRC Information Digest (NUREG-1350), Dataset, Appendix B	03/30/2012
NRCR000086	NYS-17B	NRC Information Digest (NUREG-1350), Dataset, Appendix A (REVISED)	10/09/2012
NRCR000087	RK-EC3/ CW-EC1	NRC Staff's Statement of Position Concerning Contention RK-EC3/ CW-EC1 (REVISED)	09/21/2012

**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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRCR000088	RK-EC3/ CW-EC1	NRC Staff's Testimony of Stephen P. Klementowicz and James D. Noggle Concerning Contention RK-EC3/ CW-EC1 (REVISED)	09/21/2012
NRC000089	RK-EC3/ CW-EC1	Stephen P. Klementowicz Statement of Professional Qualifications	03/30/2012
NRCR000090	RK-EC3/ CW-EC1	James D. Noggle Statement of Professional Qualifications (REVISED)	09/21/2012
NRC000091	RK-EC3/ CW-EC1	08/11/2006 IP Unit 2 – Integrated Inspection Report 05000247/2006003	03/30/2012
NRC000092	RK-EC3/ CW-EC1	01/31/2007 IP Unit 2 – Integrated Inspection Report 05000247/200605	03/30/2012
NRC000093	RK-EC3/ CW-EC1	05/10/2007 IP Unit 2 – Integrated Inspection Report 05000247/2007002	03/30/2012
NRC000094	RK-EC3/ CW-EC1	11/09/2007 IP Unit 2 – Integrated Inspection Report 05000247/2007004	03/30/2012
NRC000095	RK-EC3/ CW-EC1	05/15/2008 - NL-08-079: Remediation and Long Term Monitoring of Site Groundwater	03/30/2012
NRC000096	RK-EC3/ CW-EC1	Branch Technical Position, Rev. 1 (November 1979)	03/30/2012
NRC000097	RK-EC3/ CW-EC1	NUREG-1301: Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Pressurized Water Reactors (GL-89-01, Supplement No. 1)	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000098	RK-EC3/ CW-EC1	01/04/2005 - SRM-04-0223: Request for Approval of Staff Comments on the 2005 Recommendations of the International Commission on Radiological Protection	03/30/2012
NRC000099	RK-EC3/ CW-EC1	08/23/2006 - SRM-06-0168: Staff Comments on the Draft Recommendations of the International Commission on Radiological Protection	03/30/2012
NRC000100	RK-EC3/ CW-EC1	NRC Reg. Guide 1.21, Rev. 1: Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water-Cooled Nuclear Power Plants (June 1974)	03/30/2012
NRCR00101	NYS-26B/ RK-TC1B	NRC Staff's Statement Of Position Regarding NYS 26B/RK-TC-1B	04/26/2012
NRC000102	NYS-26B/ RK-TC1B	NRC Staff's Testimony of Allen Hiser, On Yee and Ching Ng Regarding NYS 26B/RK-TC-1B	03/31/2012
NRC000103	NYS-26B/ RK-TC1B	Allen Hiser Statement of Professional Qualifications	03/30/2012
NRC000104	NYS-26B/ RK-TC1B	On Yee Statement of Professional Qualifications	03/30/2012
NRC000105	NYS-26B/ RK-TC1B	Ching Ng Statement of Professional Qualifications	03/30/2012
NRC000106	NYS-26B/ RK-TC1B	NRC Inspection Manual, Inspection Procedure 71002, License Renewal Inspection	03/30/2012

**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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000107	NYS-26B/ RK-TC1B	NRC Inspection Report 05000247/2008006 and 05000286/2008006	03/30/2012
NRC000108	NYS-26B/ RK-TC1B	Audit Report for Plant Aging Management Programs and Reviews, Indian Point Nuclear Generating Unit Nos. 2 and 3	03/31/2012
NRC000109	NYS-26B/ RK-TC1B	Letter NL-08-057, Letter from Entergy Nuclear Operations, Inc., to NRC, Indian Point Nuclear Generating Units 2 and 3, License Renewal Application Amendment 3	03/31/2012
NRC000110	NYS-26B/ RK-TC1B	Letter NL-11-032, Letter from Entergy Nuclear Operations, Inc. to NRC, Indian Point, Units 2 & 3, Response to Request for Additional Information on Aging Management Programs	03/31/2012
NRC000111	NYS-26B/ RK-TC1B	Letter NL-07-153, Letter from Entergy Nuclear Operations, Inc., to NRC, Indian Point Nuclear Generating Units 2 and 3, License Renewal Application Amendment 1	03/31/2012
NRC000112	NYS-26B/ RK-TC1B	NRC Regulatory Issue Summary -2011-14, Metal Fatigue Analysis Performed By Computer Software	03/31/2012
NRC000113	NYS-26B/ RK-TC1B	ASME Code Section XI, Appendix L, Operating Plant Fatigue Assessment	03/31/2012
NRC000114A – NRC000114F	NYS-26B/ RK-TC1B	MRP-227-A, Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines	04/02/2012
NRC000115	NYS-26B/ RK-TC1B	EPRI, TR-105714, Rev. 5, Pressurized Water Reactor Primary Water Chemistry Guidelines	03/31/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000116	NYS-26B/ RK-TC1B	Requests for Additional Information in NRC Letter, Request for Additional Information for the Review of the Indian Point Nuclear Generating Unit Numbers 2 and 3, License Renewal Application Time-Limited Aging Analyses, Bolted Connections, and Boraflex, (April 18, 2008) (ADAMS Accession No. ML080870374)	03/31/2012
NRC000117	NYS-26B/ RK-TC1B	Statement Of Consideration for 1995 License Renewal Rule	03/31/2012
NRC000118	NYS-26B/ RK-TC1B	Indian Point Unit 3 Technical Specifications	03/31/2012
NRC000119	NYS-26B/ RK-TC1B	Salem Nuclear Generating Station's use of WESTEMS™ fatigue software	03/31/2012
NRC000120	RK-TC-2	NRC Staff's Statement Of Position Regarding RK-TC2	03/31/2012
NRC000121	RK-TC-2	NRC Staff's Testimony of Matthew Yoder and Allen Hiser Regarding RK-TC2	03/31/2012
NRC000122	RK-TC-2	Matthew Yoder Statement of Professional Qualifications	03/31/2012
NRC000123	NYS-26B/ RK-TC-1B, RK-TC-2	Audit and Review Plan for Plant Aging Management Reviews and Programs – Indian Point Generating Units Nos. 2 and 3)	03/31/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000124	NYS-26B/ RK-TC-1B, RK-TC-2	Scoping and Screening Methodology Audit Trip Report For Indian Point, Units 2 and 3	03/31/2012
NRC000125	RK-TC-2	Letter NL-07-056 , Letter from Indian Point Nuclear Generating Units 2 and 3 - Supplement to License Renewal Application (May 3, 2007)	03/31/2012
NRC000126	RK-TC-2	Letter NL-07-078, Letter from Entergy Nuclear Operations, Inc., to NRC, Indian Point Nuclear Generating Unit 2, Response to NRC Review Status of License Renewal Application, (June 21, 2007)(ADAMS Accession No. ML071800318)	03/31/2012
NRC000127	RK-TC-2	Letter NL-07-124, Letter From Entergy Nuclear Operations, Inc., to NRC, Indian Point Nuclear Generating Units 2 and 3, Supplement to License Renewal Application, (Oct 11, 2007) (ADAMS Accession No. ML072910276)	03/31/2012
NRC000128	RK-TC-2	Letter from K. Green (NRC) to M. Balduzzi (Entergy Nuclear Operations, Inc), "Requests for Additional Information for the Review of the Indian Point Nuclear Generating Unit Nos. 2 and 3, License Renewal Application (December 7, 2007)(ADAMS Accession No. ML073250226)	03/31/2012
NRC000129	RK-TC-2	WCAP-16212-NP (nonproprietary) Indian Point Nuclear Generating Unit No. 3 Stretch Power Uprate NSSS and BOP Licensing Report (June 2004) (ADAMS Accession Nos. ML041620616 & ML041630103)	03/31/2012
NRC000130	RK-TC-2	SECY-99-148, Credit for Existing Programs for License renewal,(June 3, 1999)(ADAMS Accession No. ML992770130)	03/31/2012
NRC000131	RK-TC-2	Staff Requirements – SECY-99-148- Credit for Existing Programs for License Renewal (August 27, 1999)(ADAMS Accession No. ML003751930)	03/31/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRCR00132	NYS-37	NRC Staff's Initial Statement of Position on Contention NYS-9, NYS-33 and NYS-37 (Alternatives, Consolidated) (CORRECTED)	04/02/2012
NRC000133	NYS-37	NRC Staff's Testimony of Andrew L. Stuyvenberg Concerning Contention NYS-9, NYS-33 and NYS-37 (Alternatives, Consolidated)	03/30/2012
NRC000134	NYS-37	Andrew L. Stuyvenberg Statement of Professional Qualifications	03/30/2012
NRC000135	NYS-37	New York State Scoping Comments on License Renewal of Indian Point, Units 2 and 3, October 31, 2007	03/30/2012
NRC000136	NYS-37	Letter from NYS to BPham, NRC, Re "Tendered" Application for Relicensure by Entergy Nuclear Indian Point LLCs for Operating Licenses Nos. DPR-26 and DPR-64, dated July 13, 2007	03/30/2012
NRC000137	NYS-37	Electric Power Annual 2009, U.S. Energy Information Administration, April 2011	03/30/2012
NRC000138	NYS-37	Supplemental Proposed Rulemaking, Environmental Review for Renewal of Operating licenses	03/30/2012
NRCR00139	NYS-37	Environmental Impact Statement, Scoping Process, Summary Report, Indian Point, December 2008 (REVISED)	01/18/2013
NRC000140	NYS-37	Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 37, Three Mile Island Nuclear Station, Unit 1	03/30/2012
NRC000141	NYS-37	Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 33, Shearon Harris Nuclear Power Plant, Unit 1	03/30/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000142	NYS-37	Supplying Baseload Power and Reducing Transmission Requirements by Interconnecting Wind Farms, by C. Archer and M. Jacobson, Journal of Applied Meteorology and Climatology, November 2007 (COPYRIGHT RESTRICTION)	03/30/2012
NRC000143	NYS-37	American Wind Energy Association, Production Tax Credit	03/30/2012
NRC000144	NYS-37	CNET News, Flywheel storage maker Beacon Power declares bankruptcy, by Martin LaMonica, Oct. 31, 2011	03/30/2012
NRC000145	NYS-37	NYS Supplemental Comments Regarding Scope of NEPA Analysis, Application for Relicensure by Entergy Nuclear Indian Point LLCs for Operating Licenses Nos. DPR-26 and CPR-64	03/30/2012
NRC000146	N/A	EXHIBIT NOT USED	N/A
NRC000147	NYS-38/ RK-TC5	NRC Staff's Initial Statement of Position on Contention NYS-38/ RK-TC5	08/20/2012
NRC000148	NYS-38/ RK-TC5	NRC Staff's Testimony of Allen L. Hiser, On Yee, and Ching Ng Concerning Portions of Contention NYS-38	08/20/2012
NRC000149	NYS-38/ RK-TC5	ASME Section XI, Appendix A (Excerpt)	08/20/2012
NRC000150	NYS-38/ RK-TC5	ASME Section XI, Appendix C (Excerpt)	08/20/2012

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
NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000151	NYS-38/ RK-TC5	Temporary Instruction 2516/001, dated March 30, 2011	08/20/2012
NRC000152	NYS-38/ RK-TC5	Indian Point Nuclear Generating Unit 2 – NRC Inspection Report 05000247/2012008, dated April 19, 2012	08/20/2012
NRC000153	NYS-38/ RK-TC5	NL-12-089, Entergy Letter Replying to Request for Additional Information Regarding the License Renewal Application (dated June 14, 2012)	08/20/2012
NRC000154	NYS-38/ RK-TC5	April 11, 2011 Summary of the March 11, 2011 Meeting between the U.S. Nuclear Regulatory Commission Staff and the Nuclear Energy Institute to Discuss Current License Renewal Topics	08/20/2012
NRC000155	NYS-38/ RK-TC5	March 30, 2011 Audit Report on the Use of WESTEMS Software in the Salem Nuclear Generating Station, Units 1 and 2, License Renewal Application	08/20/2012
NRC000156	NYS-38/ RK-TC5	NL-11-101, Entergy Letter Regarding Clarification for Request for Additional Information – Aging Management Programs (dated August 22, 2011)	08/20/2012
NRC000157	NYS-38/ RK-TC5	Kenneth J. Karwoski – Statement of Professional Qualifications	08/20/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000158	NYS-38/ RK-TC5	August 12, 2010 NEI Steam Generator Task Force NRC/ Industry Update (CONTAINS COPYRIGHTED MATERIAL)	08/20/2012
NRC000159	NYS-38/ RK-TC5	Electric Power Research Institute – Implementation Status of Industry Change Management Plan for Materials Related R & D Committees under NEI 03-08 (CONTAINS COPYRIGHTED MATERIAL)	08/20/2012
NRC000160	NYS-38/ RK-TC5	August 4, 2011 NEI Steam Generator Task Force NRC/ Industry Update (CONTAINS COPYRIGHTED MATERIAL)	08/20/2012
NRC000161	NYS-38/ RK-TC5	NRC Staff Testimony of Dr. Allen L. Hiser and Mr. Kenneth J. Karwoski Concerning Portions of Joint Contention NYS-38/ RK-TC5	08/20/2012
NRC000162	NYS-5	Final License Renewal Interim Staff Guidance - LR-ISG-2011-03 Changes to the Generic Aging Lessons Learned (GALL) Report Revision 2 Aging Management Program Xi.M41, “Buried And Underground Piping And Tanks”	08/23/2012

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

NRC Staff Hearing Exhibits

Exhibit #	Contention Addressed by Exhibit	Exhibit Name	Exhibit Submission Date
NRC000163	NYS-5	77 Fed. Reg. 46,127 (Aug. 2, 2012) "Interim Staff Guidance on Changes to the Generic Aging Lessons Learned (GALL) Report Revision 2 Aging Management Program Xi.M41, 'Buried And Underground Piping And Tanks'"	08/23/2012
NRC000164	NYS-12C	Affidavit of S. Tina Ghosh Concerning State of New York Motion for Leave to File an Additional Exhibit and Additional Cross-Examination Questions Concerning Consolidated Contention NYS-12C	10/09/2012
NRC000165	NYS 17B/ NYS-37	Cricket Valley Energy Project – FEIS (EXCERPT)	10/15/2012
NRC000166	NYS-37	Cricket Valley Energy Project – DEIS (EXCERPT)	10/15/2012
<u>NRC000167</u>	NYS-5	Declaration of William C. Holston Updating NRC Staff's Testimony on Contention NYS-5 (Buried Piping and Tanks) to Address New Information Submitted by Applicant Entergy Nuclear Operations, Inc.	04/22/2013