

		<b>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</b>
		<b>Evidentiary Hearing</b>
		<b>Riverkeeper ("RIV") Hearing Exhibits</b>
<b>RIV Exhibit #</b>	<b>Contentions Addressed by Exhibit</b>	<b>Exhibit Name</b>
RIVR00001	All	Riverkeeper Hearing Exhibit List ("RIV Exhibit List")
RIV000002	RK-TC-2	Riverkeeper Initial Statement of Position Regarding Contention RK-TC-2 - Flow Accelerated Corrosion ("RK-TC-2 SOP")
RIV000003	RK-TC-2	Pre-Filed Testimony of Joram Hopenfeld in Support of RK-TC-2 ("Hopenfeld Testimony RK-TC-2")
RIV000004	RK-TC-2	Curriculum Vitae of Joram Hopenfeld ("Hopenfeld CV")
RIV000005	RK-TC-2	Report of Joram Hopenfeld in Support of RK-TC-2 ("Hopenfeld RK-TC-2 Report")
RIV000006	RK-TC-2	NRC Information Notice No 86-106, "Feed Water Line Break," December 16, 1986 ("NRC IN 86-106")
RIV000007	RK-TC-2	NRC Bulletin 87-01, "Thinning Pipe Walls in Nuclear Plants," July 9, 1987 ("NRC Bulletin 87-01")
RIV000008	RK-TC-2	NRC Information Notice 1991-019, "Steam Generator Feed Water Distribution Piping Damage," March 12, 1991 ("NRC IN 1991-019")
RIV000009	RK-TC-2	Monitoring Report 5-93-0042, Steam Generator Feeding Nozzle Through Wall Erosion, June 15, 1993 ("NRC MR 5-93-0042")
RIV000010	RK-TC-2	NRC Information Notice 1997-084, "Rupture of Extraction Steam Piping," December 11, 1997 ("NRC IN 1997-084")
RIV000011	RK-TC-2	NRC Information Notice 2006-008, "Secondary Piping Rupture at Mihama Power Station in Japan," March 16, 2006 ("NRC IN 2006-008")

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<b>RIV Exhibit #</b>	<b>Contentions Addressed by Exhibit</b>	<b>Exhibit Name</b>
RIV000012	RK-TC-2	EPRI, Recommendations for an Effective Flow-Accelerated Corrosion Program, NSAC-202L-R3 ("EPRI NSAC-202L-R3")
RIV000013	RK-TC-2	Safety Evaluation by the Office of Nuclear Reactor Regulations Related to Amendment No. 229 to Facility Operating License No. DPR-28 Entergy Nuclear Vermont Yankee, LLC and Entergy Nuclear Operations, Inc. (Vermont Power Station, Docket No. 50-571), at § 2.8.7.1, p. 190, ADAMS Accession No. ML060050028 ("VY Safety Eval")
RIV000014	RK-TC-2	Aging Management Program Evaluation Report – Non-Class 1 Mechanical, IP-RPT-06-LRD07, Revision 5, March 18, 2009 ("AMP Eval Report Rev 5")
RIV000015	RK-TC-2	EN-DC-315, Revision 3, Flow Accelerated Corrosion Program (March 1, 2010) ("Entergy FAC Program")
RIV00016A	RK-TC-2	Graphs excerpted from CHECWORKS Reports ("CHECWORKS Wear Graphs Part 1")
RIV00016B	RK-TC-2	Graphs excerpted from CHECWORKS Reports ("CHECWORKS Wear Graphs Part 2")
RIV000017	RK-TC-2	V.K. Chexal, W.H. Layman, & J.S. Horowitz, Tackling the Single-Phase Erosion Corrosion Issue, To Be Presented at the American Power Conference April 18-20, 1988, Chicago Illinois (EPRI) ("Chexal APC")

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RIV000018	RK-TC-2	CHECWORKS™ Steam/Feedwater Application, Guidelines for Plant Modeling and Evaluation of Component Inspection Data, 1009599, Final Report, September 2004, IPECPROP00000271, at p.6-7 (IPECPROP00000334) ("CHECWORKS Proprietary Report 1009599")
RIV000019	RK-TC-2	Rudolf H. Hausler, Flow Assisted Corrosion (FAC) and Flow Induced Localized Corrosion: Comparison and Discussion, at 1, 8 (RHH Rebuttal, June 2, 2008, Vermont Yankee License Renewal Proceeding, 06-849-03-LR ("Hausler VY Testimony"))
RIV000020	RK-TC-2	CSI, Technologies, Inc., Indian Point Unit 3 CHECWORKS SFA Model, Calculation No. 0705.100-01, Revision 2, August 2, 2011, at p.26 (excerpt re: LCF) ("IP3 CHECWORKS SFA Model Aug 2011")
RIV000021	RK-TC-2	CSI, Technologies, Inc., Indian Point Unit 3 CHECWORKS SFA Model, Calculation No. 0705.100-01, Revision 2, August 2, 2011, Appendix K – Components with Negative Time to Tcrit, IPEC00238096 ("CHECWORKS SFA Model Aug 2011 App K")
RIV000022	RK-TC-2	Statement by Dr. F. Peter Ford, transcript of January 26, 2005 meeting of the ACRS Subcommittee on Thermal Hydraulics (January 26, 2005), at 198, ADAMS Accession No. ML050400613 ("2005 ACRS Transcript")

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RIV000023	RK-TC-2	NUREG/CR-6936, PNNL 16186, Probabilities of Failure and Uncertainty Estimate Information for Passive Components - a Literature Review (May 2007) ("NUREG/CR-6936")
RIV000024	RK-TC-2	Entergy Engineering Report, Operating Experience Review Report, IP-RPT-06-LRD05, Rev. 3 (2008), IPEC00186046 ("Entergy Op Ex Rev Report")
RIV000025	RK-TC-2	Daily DER Report, DER-01-01522, April 25, 2001, IPEC00020501 ("DER Report")
RIV000026	RK-TC-2	Entergy Operations, Inc, Condition Report List, IPEC00185743 ("Condition Report List 1")
RIV000027	RK-TC-2	Entergy Operations, Inc., Condition Report List, IPEC00092551 ("Condition Report List 2")
RIV000028	RK-TC-2	Entergy Condition Report CR-IP2-2001-10525, IPEC00092616 ("Entergy CR-IP2-2001-10525")
RIV000029	RK-TC-2	Entergy Condition Report CR-IP3-2006-02270, IPEC00025699 ("Entergy CR-IP3-2006-02270")
RIV000030	RK-TC-2	Transcript of Meeting of Advisory Committee on Reactor Safeguards (Sept. 10, 2009), ADAMS Accession No. ML092670114, at 90-96 ("ACRS Mtg Transcript Sept 2009")

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<b>RIV Exhibit #</b>	<b>Contentions Addressed by Exhibit</b>	<b>Exhibit Name</b>
RIV000031	RK-TC-2	Lynn R. Sykes, John G. Armbruster, Won-Young Kim, & Leonardo Seeber, Observations and Tectonic Setting of Historic and Instrumentally Located Earthquakes in the Greater New York City–Philadelphia Area, Bulletin of the Seismological Society of America, Vol. 98, No. 4, pp. 1696–1719, August 2008 ("Sykes Study")
RIV000032	RK-TC-2	Generic Issue 199 (GI-199), Implications of Updated Probabilistic Seismic Hazard Estimates in Central and Eastern United States on Existing Plants Safety/Risk Assessment, August 2010, at Appendix D ("Seismic Sore-Damage Frequencies") ("NRC GI-199")
RIV000033	RK-TC-2	Bill Dedman, What are the odds? US nuke plants ranked by quake risk, March 17, 2011 ("Dedman Article")
RIV000034	RK-TC-1B	Dr.Hopenfeld Pre-filed Testimony
RIV000035	RK-TC-1B	Dr. Hopenfeld Report
RIV000036	RK-TC-1B	Westinghouse "EnvFat User's Manual Version 1" IPECPROP00056785
RIV000037	RK-TC-1B	Official Transcript, ACRS Subcommittee, 12/6/2006
RIV000038	RK-TC-1B	NRC IN 2011-04
RIV000039	RK-TC-1B	Entergy Nuclear Vt. Yankee, Affidavit of Kenneth C. Chang, 5/12/08
RIV000040	RK-TC-1B	Taylor, EPRI R & D Status Report, Jan/Feb 1983
RIV000041	RK-TC-1B	Entergy, Table of Environmental Correction Actions for Metal Fatigue, 11/6/07

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RIV000042	RK-TC-1B	DC Cook Charging Nozzle LR Fatigue Evaluations, IPECPROP00061294
RIV000043	RK-TC-1B	Diablo Canyon Unit 1 Insurge/Outsurge Eval, IPECPROP00061179
RIV000044	RK-TC-1B	NRC Bulletin 88-08
RIV000045	RK-TC-1B	NRC Bulletin 88-08 Supp. 1
RIV000046	RK-TC-1B	NRC Bulletin 88-08 Supp. 2
RIV000047	RK-TC-1B	NRC IN 97-46
RIV000048	RK-TC-1B	Final Report of the NESC-Thermal Fatigue Project, EUR22763
RIV000049	RK-TC-1B	Entergy Indian Point U3, FAC, 3RF13 Outage, 2005
RIV000050	RK-TC-1B	Westinghouse, WCAP-14950, IPECPROP00059247
RIV000051	RK-TC-1B	Kwang Chu Kim, Journal of Mechanical Science/Technology, 2008
RIV000052A-D	RK-TC-1B	Combustion Engineering, Inc., CENC-1110
RIV000053A-O	RK-TC-1B	Combustion Engineering, Inc., CENC-1122
RIV000054	RK-TC-1B	letter from P. Bessette to D. Brancato, 10/18/11
RIV000055	RK-TC-1B	Westinghouse CN-PAFM-09-64, IPECPROP00058077
RIV000056	RK-TC-1B	Systems Standard Design Criteria, IPECPROP00059698
RIV000057	RK-TC-1B	RAI Indian Point U2 and U3 LRA, 2/10/11
RIV000058	RK-TC-1B	Response to RAI, Indian Point U2 and U3, 3/28/11

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RIV000059	RK-EC-3/CW-EC-1	Riverkeeper and Clearwater Initial Statement of Position Regarding Consolidated Contention RK-EC-3/CW-EC-1 (Spent Fuel Pool Leaks) ("RK-EC-3-CW-EC-1 SOP")
RIV000060	RK-EC-3/CW-EC-1	Testimony of Arnold Gundersen on Consolidated Contention RK-EC-3/CW-EC-1 – Spent Fuel Pool Leaks ("Gundersen Testimony")
RIV000061	RK-EC-3/CW-EC-1	Testimony of Gillian Stewart on Consolidated Contention RK-EC-3/CW-EC-1 – Spent Fuel Pool Leaks ("Stewart Testimony")
RIV000062	RK-EC-3/CW-EC-1	Curriculum Vitae of Arnold Gundersen ("Gundersen CV")
RIV000063	RK-EC-3/CW-EC-1	Curriculum Vitae of Gillian Stewart ("Stewart CV")
RIV000064	RK-EC-3/CW-EC-1	NUREG-1437, Revision 1, Generic Environmental Impact Statement for License Renewal of Nuclear Plants (July 2009) Draft Report for Comment ("GEIS Update")
RIV000065	RK-EC-3/CW-EC-1	U.S. EPA, Radionuclides in Drinking Water: A Small Entity Compliance Guide (February 2002)
RIV000066	RK-EC-3/CW-EC-1	GZA, GeoEnvironmental, Inc., Hydrogeologic Site Investigation Report, Indian Point Energy Center, January 7, 2008, IPEC00195418

		<b>Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),</b>
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RIV000067	RK-EC-3/CW-EC-1	Indian Point Nuclear Generating Units 1 & 2 – NRC Inspection Report Nos. 05000003/2007010 and 05000247/2007010, EA-08-088, May 13, 2008
RIV000068	RK-EC-3/CW-EC-1	Entergy, Groundwater Investigation Executive Summary, Indian Point Energy Center, Buchanan, NY (January 2008)
RIV000069	RK-EC-3/CW-EC-1	Indian Point Nuclear Generating Unit 2 – NRC Special Inspection Report No. 05000247/2005011, March 16, 2006
RIV000070	RK-EC-3/CW-EC-1	Indian Point Energy Center Status Report (Sept. 6, 2007)
RIV000071	RK-EC-3/CW-EC-1	In the Matter of Entergy Nuclear Indian Point 2, LLC, and Entergy Nuclear Indian Point 3, LLC, and Entergy Nuclear Operations Inc's Joint Application for CWA § 401 Water Quality Certification, Prefiled Testimony of Matthew J. Barvenik, Issue for Adjudication No. 3 – Radiological Materials (July 22, 2011)
RIV000072	RK-EC-3/CW-EC-1	E-mail from Michael Rutkoske to Steven Verrochi (Entergy), Re: SFP Exams - What's Next? (Nov. 19, 2005), IPEC00065830
RIV000073	RK-EC-3/CW-EC-1	Entergy, U2 SFP Leak Monitoring Wells and Underground Piping (3/31/06), IPEC00063518
RIV000074	RK-EC-3/CW-EC-1	Entergy, Problem Development Sheet – Groundwater, IPEC00207416



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RIV000075	RK-EC-3/CW-EC-1	E-mail from Ronald Sachatello to Donald Mayer (Entergy), Joseph Adler (TLG), Gary Hinrichs (Entergy), Re: IS THE POOL LEAK OFF COLLECTION BOX EFFECTIVE?, IPEC00063351
RIV000076	RK-EC-3/CW-EC-1	GZA, GeoEnvironmental, Inc. Final IPEC Quarterly Long-Term Groundwater Monitoring Report, Quarter Two 2010 (Report No. 10) (February 15, 2011), IPEC00227561
RIV000077	RK-EC-3/CW-EC-1	Entergy Chart of Leak Locations, IPEC00059360
RIV000078	RK-EC-3/CW-EC-1	IPEC Site Management Manual, IP-SMM, CY-110, Rev. 1, 8.6 RGWMP Quarterly Integrated Review Checklist (Quarter 1, 2009), IPEC00225217
RIV000079	RK-EC-3/CW-EC-1	Annie Correal, Indian Pt. Broken Pipe Spurs Safety Worries, THE NEW YORK TIMES (March 1, 2009)
RIV000080	RK-EC-3/CW-EC-1	IPEC Site Management Manual, IP-SMM, CY-110, Rev. 3, 8.6 RGWMP Quarterly Integrated Review Checklist (Quarter 1, 2010), IPEC00225219
RIV000081	RK-EC-3/CW-EC-1	IPEC Site Management Manual, IP-SMM, CY-110, Rev. 1, 8.6 RGWMP Quarterly Integrated Review Checklist (Quarter 2, 2010), IPEC00225223
RIV000082	RK-EC-3/CW-EC-1	Entergy, Nuclear Management Manual, EN-MA-125, Rev. 4, Attachment 9.1, Initial Investigation, Troubleshooting Plan for H-3 Investigation, Storm Drain System A, March/April 2009, IPEC00194517

		<b>Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),</b>
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RIV000083	RK-EC-3/CW-EC-1	IPEC Site Management Manual, IP-SMM, CY-110, Rev. 3, 8.6 RGWMP Quarterly Integrated Review Checklist (Quarter 4, 2010), IPEC00233519
RIV000084	RK-EC-3/CW-EC-1	IPEC Site Management Manual, IP-SMM, CY-110, Rev. 4, 10.7 RGWMP Quarterly Integrated Review Checklist (Quarter 1, 2011), IPEC00233515
RIV000085	RK-EC-3/CW-EC-1	Indian Point Nuclear Generating Unit 3 – NRC Integrated Inspection Report 05000286/2011004 (November 7, 2011)
RIV000086	RK-EC-3/CW-EC-1	Entergy correspondence, e-mails regarding approach to groundwater contamination, IPEC00067228, IPEC00065510, IPEC00130549, IPEC00062936
RIV000087	RK-EC-3/CW-EC-1	Potential Sources of Tritium at IPEC & Inspection Method, IPEC00065506
RIV000088	RK-EC-3/CW-EC-1	Supplemental Report of the Public Oversight Panel Regarding the Comprehensive Reliability Assessment of the Vermont Yankee Nuclear Power Plant, July 20, 2010
RIV000089	RK-EC-3/CW-EC-1	GAO Report to Congressional Requesters, Nuclear Regulatory Commission, Oversight of Underground Piping Systems Commensurate with Risk, but Proactive Measures Could Help Address Future Leaks, GAO-11-563 (June 2011)
RIV000090	RK-EC-3/CW-EC-1	Entergy Groundwater Well Data, Quarter 2, 2011, IPEC00225100

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RIV000091	RK-EC-3/CW-EC-1	Liquid Radioactive Release Lessons Learned Task Force Final Report, U.S. NRC (September 1, 2006)
RIV000092	RK-EC-3/CW-EC-1	Coastal Fish & Wildlife Habitat Rating Form, Haverstraw Bay
RIV000093	RK-EC-3/CW-EC-1	National Research Council, Health Risks from Exposure to Low Levels of Ionizing Radiation: BEIR VII – Phase 2 (2006)
RIV000094	RK-EC-3/CW-EC-1	Entergy E-mail from David Winslow (GZA) to Donald Mayer (Entergy), G. Hinrichs (Entergy), Re: Remedial Report (May 19, 2006), IPEC00064221
RIV000095	RK-EC-3/CW-EC-1	Groundwater Investigation '06 Quarter 4 Activities and Results, IPEC00063899
RIV000096	RK-EC-3/CW-EC-1	Entergy E-mail from Kathleen McMullin (Entergy) to various, Re: IPEC Status Report for Dec. 21
RIV000097	RK-EC-3/CW-EC-1	Entergy Document, "Unit 1 Status for ENC Presentation notes," "Groundwater Status," IPEC00062939
RIV000098	RK-EC-3/CW-EC-1	Letter from Kathryn Sutton (Counsel for Entergy) to Deborah Brancato (Riverkeeper), Re: Entergy Nuclear Operations, Inc. (Indian Point Nuclear Generating Units 2 and 3), Docket Nos. 50-247-LR and 50-286-LR (June 24, 2011)

		<b>Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),</b>
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RIV000099	RK-EC-3/CW-EC-1	In the Matter of Entergy Nuclear Indian Point 2, LLC, and Entergy Nuclear Indian Point 3, LLC, and Entergy Nuclear Operations Inc's Joint Application for CWA § 401 Water Quality Certification, Combined Prefiled Rebuttal Testimony of Thomas C. Esselman, Ph.D., Matthew J. Barvenik, and Owen Hoffman, Ph.D., Radiological – Issue for Adjudication No. 3 (October 4, 2011)
RIV000100	RK-EC-3/CW-EC-1	E-mail From Dara Gray (Entergy) to J. Noggle (NRC) (Jan. 24, 2007), Re: Historical Sr Data (Exhibit RIV000100)
RIV000101	RK-EC-3/CW-EC-1	Haverstraw Water Supply Project DEIS, Draft EIS Chapter 2





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