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NL-17-121

October 2, 2017

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11545 Rockville Pike, TWFN-2 F1  
Rockville, MD 20852-2738

Subject: **Indian Point Unit No. 3 Amendment Update to the  
Updated Final Safety Analysis Report (UFSAR), Revision 07**  
Indian Point Nuclear Generating Unit No. 3  
Docket No. 50-286  
License No. DPR-64

References: 1. NEI 98-03, "Guidelines for Updating Final Safety Analysis  
Reports," Revision 1, June 1999  
2. NEI 99-04, "Guidelines for Managing NRC Commitments," Revision  
2, December 1995

Dear Sir or Madam:

Entergy Nuclear Operations, Inc. (Entergy), in accordance with 10 CFR 50.71(e), hereby transmits the most recent update to the Updated Final Safety Analysis Report (UFSAR) for Indian Point Unit 3 (IP3). This submittal incorporates applicable changes made to the IP3 facility since the UFSAR update in October 2015, through the information available, at a minimum, as of March 13, 2017. Note that the last IP3 refueling outage was completed on May 18, 2017. This submittal constitutes the seventh (7) revision to the IP3 UFSAR.

Entergy is submitting two copies of the entire IP3 UFSAR, IP3 Technical Specification Bases, IP3 Technical Requirements Manual (TRM), and the Holtec International, "Licensing Report on the Inter-Unit Transfer of Spent Nuclear Fuel at the Indian Point Energy Center" in the electronic medium of Adobe PDF on DVDs in accordance with the guidance contained in NRC, "General (Non-Adjudicatory) Electronic Submission Instructional Guide," June 11, 2009, Revision 4.

Two DVDs are enclosed, Enclosure 1 containing a Redacted version of the UFSAR and Enclosure 2 a Non-Redacted version of the UFSAR. A Redacted version of the UFSAR has had certain sensitive information removed which was identified due to meeting the NRC's criteria on sensitive information, as specified in SECY-04-0191, "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public

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NRR

Disclosure." Entergy is requesting that the Non-Redacted version be withheld from the public in accordance with 10 CFR 2.390(d)(1) as material included within is classified as non-publicly available information. The Non-Redacted version of the UFSAR is for use by the NRC staff.

UFSAR changes to the text and tables since the last revision are indicated by gray highlighted background rather than a revision bar next to the line containing the change. Any UFSAR figures that have been revised since the last revision contain "Rev. 07" in the figure title block.

This update to the FSAR also contains information that has been classified as "Historical" information according to the NEI 98-03 definition (Reference 2), and is no longer subject to updating. Material designated as "Historical" information in the UFSAR is indicated by a green highlighted background.

Attachment 1 to this letter, "Summary Report of IP3 UFSAR Revision 07 Changes," contains a summary with a brief description of the information changed in this revision to the IP3 UFSAR.

IP3 Technical Specification 5.5.13.d, "Technical Specification Bases Control Program," requires that changes to the Bases implemented without prior NRC approval be provided to the NRC on a frequency consistent with 10 CFR 50.71(e). The required information is provided in Attachment 2, "Summary of Revisions to the IP3 Technical Specification Bases" and the entire document is provided on the enclosed DVDs.

As specified in NEI 98-03 (Reference 1), the Technical Requirements Manual (TRM) is controlled in a manner consistent with procedures fully or partially described in the UFSAR. Under this approach, the TRM document is subject to the change control requirements of 10 CFR 50.59. A "Summary of Revisions to the IP3 Technical Requirements Manual (TRM)" is provided in Attachment 3, and the entire document is provided on the enclosed DVDs.

NEI 99-04 (Reference 2) provides guidance on the commitments which may be changed without prior NRC approval, but which require periodic NRC staff notification either annually or along with the FSAR updates as required by 10 CFR 50.71(e). This periodic update is not required if individual notifications of commitment changes have previously been filed with the NRC. In this reporting period, all commitment changes have previously been individually communicated to the NRC. Therefore, this letter does not contain a commitment change summary report as an attachment.

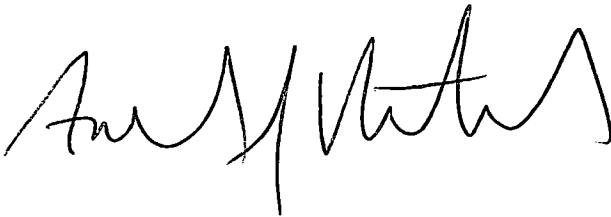
As specified in NEI 98-03 (Reference 2), the Holtec International, "Licensing Report on the Inter-Unit Transfer of Spent Nuclear Fuel at the Indian Point Energy Center" is a licensee controlled document that is explicitly "incorporated by reference" into the IPEC IP2 and IP3 UFSARs. Under this approach, the referenced document is subject to the change control requirements of 10 CFR 50.59 and the update/reporting requirements of 10 CFR 50.71(e). The entire document is provided on the enclosed DVDs.

There are no new commitments contained in this letter. In the event of any questions, please contact Mr. Robert W. Walpole, Manager, Regulatory Assurance at 914-254-6710.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on October 2, 2017  
Date

Sincerely,



AJV/gd

Attachments:

1. Summary Report of IP3 UFSAR Revision 07 Changes
2. Summary of Revisions to the IP3 Technical Specification Bases
3. Summary of Revisions to the IP3 Technical Requirements Manual (TRM)

Enclosures:

1. DVD containing the IP3 Redacted UFSAR (Rev. 07) files, entire documents of the IP3 Technical Specification Bases, IP3 TRM, and Rev. 6 of the Holtec International Licensing Report on the Inter-Unit Transfer of Spent Nuclear Fuel at IPEC
2. DVD containing the IP3 Non-Redacted UFSAR (Rev. 07) files – Withhold from Public Disclosure per 10 CFR 2.390(d)(1)

cc w/o enclosure:

Mr. Daniel H. Dorman, Regional Administrator, NRC Region I  
Mr. Richard Guzman, Senior Project Manager, NRC NRR DORL  
Ms. Bridget Frymire, New York State Department of Public Service  
Ms. Alicia Barton, President and CEO, NYSERDA  
NRC Resident Inspectors

Attachment 1  
to  
NL-17-121

**Summary Report of IP3 UFSAR Revision 07 Changes**

ENTERGY NUCLEAR OPERATIONS, INC.  
Indian Point Nuclear Generating Unit No. 3  
Docket No. 50-286  
License No. DPR-64

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOs	INFORMATION / DESCRIPTION OF CHANGES
<b>CHAPTER 1</b>			
1.1	2	Editorial	Reformatting, editorial changes, removal of obsolete information, and revision of effective date to May 18, 2017
1.3.2 1.3.5	30 92	EC-16185 & PAD	Deletion of the Outage Equipment Hatch and addition of the Containment Equipment Hatch Closure Plug (EC-16185). Changes were originally in LBD CR U3 2011 / 01-01-002 but were not incorporated. New LBD CR required due to differences in changes from LBD CR U3 2011 / 01-01-002. Reference CR-IP2-2016-03653.
1.3.3	43	NRC SER Editorial CR-IP3-2016-01118	Revise references to IEEE Standard 279 for the Reactor Protection System (RPS) to be consistent with the 9/21/73 IP3 SER which evaluated the RPS design against the 1968 edition. Reference CR-IP3-2016-01118
<b>CHAPTER 2</b>			
2.2.2 2.2.3 References	3 4 7	PAD Editorial	Inclusion of new 42 inch gas pipeline; correction of "exiting" to "existing"
2.7	F2.7-1 F2.7-2 F2.7-3 F2.7-4	Editorial	Reformatting, editorial changes, and revision of effective date to May 18, 2017

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOs	INFORMATION / DESCRIPTION OF CHANGES	
CHAPTER 3				
3.2.1.1 3.2.2 3.2.2.4 References 3.2	22 25 30 71,72 T3.2-1,T3.2-2,T3.2-3,T3.2-4,T3.2-5	EC-63102 PAD	Changes as a result of Cycle 20 fuel and core design	
3.2.1.1	14 -16	Editorial		
CHAPTER 4				
4.2.3 4.2.5 4.3.4 4.4.1	33 37 61,62 74,75,77	EC-59472		Revision of PT curves for LTOP
CHAPTER 5				
5.1.4.2 5.1.4.3 5.1.7.3 5.2.2.7	22 28 39 50	EC-16185 & PAD	Deletion of the Outage Equipment Hatch and addition of the Containment Equipment Hatch Closure Plug (EC-16185). Changes were originally in LBDCR U3 2011 / 01-01-002 but were not incorporated. New LBDCR required due to differences in changes from LBDCR U3 2011 / 01-01-002. Reference CR-IP2-2016-03653.	

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOs	INFORMATION / DESCRIPTION OF CHANGES
5.1.4.2	21	EC-60109 CR-IP3-2015-04036	Increase of the temperature limit of concrete adjacent to the Containment hot pipe penetrations from 150 F to 250 F
5.1.4.3 5.2.2.1	25 48	Editorial, typographical	Editorial changes involving figures and drawings
5.2	20253 27293 Sh 2 27353 27513 Sh1	Other Approval	Replacement of drawings with their current revisions
<b>CHAPTER 6</b>			
6.2	T6.2-13	EC-73244 Calculation 98-049 markup WT-WTIPC-2017-00099 CA-7	Revision of the Net Positive Suction Head (NPSH) Required, the NPSH Available, and the Fluid Operating Temperature for the Auxiliary Feedwater pumps
6.2 App. 6D App. 6F	T6.2-12 T6D-1 203	Editorial	Reformatting, editorial changes, removal of obsolete information, and revision of effective date to May 18, 2017
6.2.2	28	Editorial, typographical	Editorial changes involving figures and drawings
6.2	27353	Other Approval	Replacement of drawings with their current revisions

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOs	INFORMATION / DESCRIPTION OF CHANGES
Appendix 6E	198	Editorial, typographical	Editorial changes involving figures and drawings
6.4.2	104	EC-65920 SPEC-16-00002-I R0	Revision of the VC coating options
6.4.3	107	Editorial	Reconciliation of the containment fan coolers delay time specified in Section 6.4.3 with the time specified in Table 14.3-55
6.7.1.2	136	Typographical	Correct "tom" to "to" in first sentence of first paragraph
<b>CHAPTER 7</b>			
7.2	27-29,39	DCP 97-3-357 NSE 93-3-223 RPC DCP 99-3-063 EVAL 99-3-063 NIS	Incorporate changes associated with the deletion of references to turbine runback
7.2.1	8	NRC SER Editorial CR-IP3-2016-01118	Revise references to IEEE Standard 279 for the Reactor Protection System (RPS) to be consistent with the 9/21/73 IP3 SER which evaluated the RPS design against the 1968 edition. Reference CR-IP3-2016-01118
7.2.2	15	Typographical	Capitalized "boiler" in 5 <sup>th</sup> sentence of 3 <sup>rd</sup> paragraph
7.3.1	54	EC-59472	Revision of PT curves for LTOP



### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOS	INFORMATION / DESCRIPTION OF CHANGES
7.5	T7.5-1	EC-72087	CE-T-34 (A11) has been restored and is replacing CE-T-05 (C8). These CETs are in the same core quadrant and will maintain the Technical Specifications requirement of 2 qualified CETs per train per quadrant. Also, the cable from CE-T-28 (M-13) has been used to restore CE-T-53 (K11) as a qualified core exit thermocouple. Therefore, CE-T-28 (M13) is no longer in service.
<b>CHAPTER 8</b>			
8.2	617F645	EC-52527, -60930, -60931 PAD	Revision of drawing to add the Open Phase Detection System trip logic to the Unit 3 Station Auxiliary Transformer and Gas Turbine Autotransformer protection logic diagram – not enabled at this time
8.2.3	14	UFSAR Only (Removing Excessive Detail) Editorial (EC-65951)	Resolution of issues identified in the 2010 CDBI regarding fuel consumption of the EDGs under minimum safeguards loading for all design basis accident scenarios
8.2	33853 617F643 617F644 617F645 30063 Sh1 30083 39893	Other Approval	Replacement of drawings with their current revisions
<b>CHAPTER 9</b>			
9.3	27513 Sh1	Other Approval	Replacement of drawings with their current revisions

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOs	INFORMATION / DESCRIPTION OF CHANGES
9.6	T9.6-1 T9.6-2A	EC-66581	Reduction of required flows for Service Water Strainer backwash from 180 gpm to 100 gpm
9.6.1 References	111 151	EC-71892	To identify that postulated passive failures of service water system piping will not cause flooding in the PAB
9.3.1 9.6.5	40 151	Editorial	Reformatting, editorial changes, removal of obsolete information, and revision of effective date to May 18, 2017
9.6	20333 Sh1 20333 Sh2 27223 40903	Other Approval	Replacement of drawings with their current revisions
<b>CHAPTER 10</b>			
10.2	28,29	Editorial	Revise Section 10.2 to achieve consistency with the rest of the UFSAR, other Licensing Basis Documents, and design basis calculations regarding auxiliary feedwater flow
10.2	20093 20183 Sh1 20203 Sh1 20253 20263 20403 27273 27293 Sh2	Other Approval	Replacement of drawings with their current revisions
10.2.1 10.3.1	13 41	EC-71363 PAD	Interim abandonment of Independent Electrical Overspeed Protection System (IEOPS)

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOS	INFORMATION / DESCRIPTION OF CHANGES
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<b>CHAPTER 11</b>			
11.2.3.1 11.2.3.2	34 40-42 F11.2-7	EC-56698 PAD	Replacement of the Bantam 11 computer with a Radiation Monitoring System using the PICS computer and a flat screen with a touchscreen keyboard
<b>CHAPTER 12</b>			
12.1 12.4 12.5 12.6 12.7	1-3, 7-10 13 13 14 14 F12.1-1	QAPM R33 7/1/17 Organization Charts Editorial Remove obsolete info	Revision of organizational structure; editorial changes; referral to QAPM for qualification of nuclear plant personnel; removal of obsolete information
<b>CHAPTER 13</b>			
None			
<b>CHAPTER 14</b>			
14.1	8	NRC SER Editorial CR-IP3-2016-01118	Revise references to IEEE Standard 279 for the Reactor Protection System (RPS) to be consistent with the 9/21/73 IP3 SER which evaluated the RPS design against the 1968 edition. Reference CR-IP3-2016-01118
14.3.3.1 14.3.4.2 14.3.4.3 14.3.5.1	120 131 132 140 T14.3-13	Editorial, typographical	Editorial changes involving figures and drawings

### Summary Report of IP3 UFSAR Revision 07 Changes

UFSAR SECTION	AFFECTED PAGES, TABLE, DWG, FIGURE	SOURCE(S) of CHANGE, EC, 50.59, PAD, SCREEN NOs	INFORMATION / DESCRIPTION OF CHANGES
<b>CHAPTER 15</b>			
None			
<b>CHAPTER 16</b>			
16.1.8	25	PAD	<p>Revise the discussion that allows for the use of the Generic Implementation Procedure (GIP) methodology as an alternate method to existing methods for the seismic design and verification of equipment classified as Seismic Class I to exclude:</p> <ul style="list-style-type: none"> <li>• Regulatory Guide 1.97 Category I items</li> <li>• Residual Heat Removal System motor operators for MOV-730 and MOV-731</li> </ul>
<b>Appendix A – License Renewal</b>			
None			

Attachment 2  
to  
NL-17-121

**Summary of Revisions to the IP3 Technical Specification Bases**

ENTERGY NUCLEAR OPERATIONS, INC.  
Indian Point Nuclear Generating Unit No. 3  
Docket No. 50-286  
License No. DPR-64

**Summary of Revisions to the IP3 Technical Specification Bases**

(Since last reported October 1, 2015)

AFFECTED SECTIONS	REV	EFFECTIVE DATE	DESCRIPTION
BASES UPDATE PACKAGE 50-10012015			
B3.4.3	5	10/01/2015	RCS Pressure and Temperature Curves
B3.4.12	7	10/01/2015	Low Temperature Overpressure Protection
BASES UPDATE PACKAGE 51-02232016			
B3.4.1	2	02/23/2016	Changes consistent with COLR
BASES UPDATE PACKAGE 52-08032016			
B3.4.3	6	08/03/2016	Correct heading error on first page
B3.4.12	7	08/03/2016	Correct heading error on first page
BASES UPDATE PACKAGE 53-09302016			
B3.8.1	8	09/30/2016	Added beginning material regarding non-conservative
BASES UPDATE PACKAGE 54-12062016			
B3.1.3	2	12/06/2016	TS Amendment 261 exemption from near EOL MTC measurement

Attachment 3  
to  
NL-17-121

**Summary of Revisions to the IP3 Technical Requirements Manual (TRM)**

ENTERGY NUCLEAR OPERATIONS, INC.  
Indian Point Nuclear Generating Unit No. 3  
Docket No. 50-286  
License No. DPR-64

**Summary of Revisions to the IP3 Technical Requirements Manual (TRM)**

(since last reported October 1, 2015)

AFFECTED SECTIONS	NEW REV#	EFFECTIVE DATE	DESCRIPTION
3.4.A	4	10/1/2015	TRM Section 3.4.A revised to change the region of applicability from 330-380 deg. F to 330-370 deg. F based upon new heatup curves. (Note: Associated with IP3 TS Amendment 258 allowing operation to 37 EFPY for Appendix G limitations.)
3.3.B 3.7.A.1 3.7.A.2 3.7.A.3 3.7.A.4 3.7.A.5 3.7.A.6 3.7.A.7 3.7.A.8 3.7.B 3.7.H 3.7.I 3.7.J	5 3 4 9 4 2 2 3 1 13 1 1 1	3/18/2016	Revised TRM and Bases sections 3.3.B (Met Inst), 3.7.A.1 (HP Fire Water), 3.7.A.2 (Spray & Sprinkler Sys), 3.7.A.3 (Fire Sep. Devices), 3.7.A.4 (Fire Det. Sys), 3.7.A.5 (Hose Stations), 3.7.A.6 (Hydrants & Hose House), 3.7.A.7 (CO2), 3.7.A.8 (RCP Oil Collection) and 3.7.B (App R ASSS Equip.) to remove requirements for OSRC reports and replace with the issuance of a Condition Report and the preparation of a corrective action report.  Revised Frequency of TRS 3.7.H.1 (EDG Ventilation Sys), 3.7.I.1 (Swgr. Room Ventilation Sys), and 3.7.J.1 (Elec. Tunnel Ventilating) from 12 months to 24 months; revised Frequency of TRS 3.7.H.2 from 18 months to 72 months; revised Frequency of 3.7.I.2 and 3.7.J.2 from 18 months to 24 months
3.10.A 3.10.B 3.10.C	1 1 1	5/26/2016	TRM Section 3.10 was implemented in Rev 0 to address FLEX and SFPI requirements. Changes were made to clarify 1) when a component is out an OSRC report is required; and 2) to reflect IP2 implementation of FLEX since the two plants share components in order to meet N+1.
3.7.A.1 3.7.A.6 3.8.A	4 2 3	6/13/2016	Utilize unused time in the non-permanent 1-month extension to TRM surveillance frequency of 184 days for TRS 3.8.A.2, "DEMONSTRATE Closure of Turbine Steam Stop and Control Valves."
3.8.B	6	12/20/2016	Remove the TRS 3.8.B.5 requirement to demonstrate that the IP3 App. R/SBO diesel has the ability to lineup and provide power to the IP2 App. R/SBO loads.



**Summary of Revisions to the IP3 Technical Requirements Manual (TRM)**

(since last reported October 1, 2015)

AFFECTED SECTIONS	NEW REV#	EFFECTIVE DATE	DESCRIPTION
3.1.A	3	1/26/2017	Revised TRM 3.1.A, Anticipated Transient Without Scram (ATWS) Mitigating Systems Actuation Circuitry (AMSAC), Bases for Action A.1 to clarify that there is no need to reevaluate the Conditional Core Damage Probability (CCDP) value for the 30 day AOT whenever the PRA model is updated.
3.7.A.4 3.7.A.7	5 6	3/1/2017	(1) Revised TRS 3.7.A.4.2 to change the Frequency for the three dedicated heat detectors associated with the Turbine Building Steam Bridge Water Spray System from 12 months to 24 months for consistency with the Frequency for the dedicated heat detectors that operate the Steam Bridge Water Curtain System (2) Revised TRS 3.7.A.7.3 to eliminate the requirement to "exercise" fire dampers associated with the rooms provided with total-flooding CO2 suppression (480V Swgr. Room, Cable Sprd. Room, EDG Rooms) on a 12-month frequency for consistency with the Frequency for testing the associated CO2 suppression systems

**ENCLOSURE 1 TO NL-17-121**

**INDIAN POINT ENERGY CENTER (IPEC)**  
**UNIT 3, Docket No. 50-286**

<b>File Naming Table</b>	
<b>Document Title</b>	<b>File Name</b>
<b>Multiple File Document - Indian Point 3 UFSAR, 2017 Rev. 07</b>	
Chapter 1, Introduction and Summary	001_1.1 Introduction & Summary.pdf
Chapter 1, Figures	001_1.2 Ch 1 Figures.pdf
Chapter 1, Drawings - REDACTED	001_1.3 Ch 1 Drawings.pdf
Chapter 2, Site and Environment	002_2.1 Site & Environment.pdf
Chapter 2, Figures	002_2.2 Ch 2 Figures.pdf
Chapter 2, Drawings	002_2.3 Ch 2 Drawings.pdf
Chapter 3, Reactor	003_3.1 Reactor.pdf
Chapter 3, Figures	003_3.2 Ch 3 Figures.pdf
Chapter 4, Reactor Coolant System	004_4.1 Reactor Coolant Sys.pdf
Chapter 4, Figures	004_4.2 Ch 4 Figures.pdf
Chapter 4, Drawings	004_4.3 Ch 4 Drawings.pdf
Chapter 5, Containment	005_5.1 Containment.pdf
Chapter 5, Figures	005_5.2 Ch 5 Figures.pdf
Chapter 5, Drawings - REDACTED	005_5.3 Ch 5 Drawings.pdf
Chapter 6, Engineered Safety Features	006_6.1 Engineered Safety Features.pdf
Chapter 6, Figures	006_6.2 Ch 6 Figures.pdf
Chapter 6, Drawings - REDACTED	006_6.3 Ch 6 Drawings.pdf
Chapter 7, Instrumentation and Control	007_7.1 Instrumentation & Control.pdf
Chapter 7, Figures	007_7.2 Ch 7 Figures.pdf
Chapter 7, Drawings - REDACTED	007_7.3 Ch 7 Drawings.pdf
Chapter 8, Electrical Systems	008_8.1 Electrical Systems.pdf
Chapter 8, Drawings	008_8.2 Ch 8 Drawings.pdf
Chapter 9, Auxiliary and Emergency Systems	009_9.1 Auxiliary & Emerg Sys.pdf
Chapter 9, Figures	009_9.2 Ch 9 Figures.pdf
Chapter 9 Drawings - REDACTED	009_9.3 Ch 9 Drawings.pdf

**ENCLOSURE 1 TO NL-17-121**

**INDIAN POINT ENERGY CENTER (IPEC)**  
**UNIT 3, Docket No. 50-286**

<b>Document Title</b>	<b>File Name</b>
<b>Multiple File Document - Indian Point 3 UFSAR, 2017 Rev. 07</b>	
Chapter 10, Steam and Power Conversion System	010_10.1 Steam & Power Conv Sys.pdf
Chapter 10, Figures	010_10.2 Ch 10 Figures.pdf
Chapter 10, Drawings - REDACTED	010_10.3 Ch 10 Drawings.pdf
Chapter 11, Waste Disposal and Radiation Protection System	011_11.1 Waste Dis & Rad Prot Sys.pdf
Chapter 11, Figures	011_11.2 Ch 11 Figures.pdf
Chapter 11, Drawings - REDACTED	011_11.3 Ch 11 Drawings.pdf
Chapter 12, Conduct of Operations	012_12.1 Conduct of Operations.pdf
Chapter 12, Figures	012_12.2 Ch 12 Figures.pdf
Chapter 13, Initial Tests and Operations	013_13.1 Initial Tests & Oper.pdf
Chapter 13, Figures	013_13.2 Ch 13 Figures.pdf
Chapter 14, Safety Analysis	014_14.1 Safety Analysis.pdf
Chapter 14, Figures	014_14.2 Ch 14 Figures.pdf
Chapter 15, Technical Specifications	015_15.1 TS.pdf
Chapter 16, Design Criteria for Structures and Equipment	016_16.1 Design Criteria Struct & Equip.pdf
Chapter 16, Figures	016_16.2 Ch 16 Figures.pdf
Chapter 17, Quality Assurance Program	017_17.1 QA Program.pdf
Appendix A, License Renewal	018_18.1 App A, Lic Renewal.pdf
Table of Contents	019_19.1 TOC.pdf
Instructions	020_20.1 Instructions.pdf
<b>Single File Documents</b>	
Indian Point 3 Technical Requirements Manual (TRM)	001_IP3 TRM.pdf
Indian Point 3 Technical Specification Bases	002_IP3 Technical Specification Bases.pdf
HOLTEC International, "License Report on the Inter-Unit Transfer of Spent Nuclear Fuel at Indian Point Energy Center" [Rev. 6]	003_IP3 HOLTEC Report.pdf

**ENCLOSURE 2 TO NL-17-121**

**INDIAN POINT ENERGY CENTER (IPEC)**  
**UNIT 3, Docket No. 50-286**

File Naming Table	
Document Title	File Name
<b>Multiple File Document - Indian Point 3 UFSAR, 2017 Rev. 07</b>	
Chapter 1, Introduction and Summary	001_1.1 Introduction & Summary.pdf
Chapter 1, Figures	001_1.2 Ch 1 Figures.pdf
Chapter 1, Drawings – NON-REDACTED	001_1.3 Ch 1 Drawings_NON-REDACTED.pdf
Chapter 2, Site and Environment	002_2.1 Site & Environment.pdf
Chapter 2, Figures	002_2.2 Ch 2 Figures.pdf
Chapter 2, Drawings	002_2.3 Ch 2 Drawings.pdf
Chapter 3, Reactor	003_3.1 Reactor.pdf
Chapter 3, Figures	003_3.2 Ch 3 Figures.pdf
Chapter 4, Reactor Coolant System	004_4.1 Reactor Coolant Sys.pdf
Chapter 4, Figures	004_4.2 Ch 4 Figures.pdf
Chapter 4, Drawings	004_4.3 Ch 4 Drawings.pdf
Chapter 5, Containment	005_5.1 Containment.pdf
Chapter 5, Figures	005_5.2 Ch 5 Figures.pdf
Chapter 5, Drawings – NON-REDACTED	005_5.3 Ch 5 Drawings_NON-REDACTED.pdf
Chapter 6, Engineered Safety Features	006_6.1 Engineered Safety Features.pdf
Chapter 6, Figures	006_6.2 Ch 6 Figures.pdf
Chapter 6, Drawings – NON-REDACTED	006_6.3 Ch 6 Drawings_NON-REDACTED.pdf
Chapter 7, Instrumentation and Control	007_7.1 Instrumentation & Control.pdf
Chapter 7, Figures	007_7.2 Ch 7 Figures.pdf
Chapter 7, Drawings – NON-REDACTED	007_7.3 Ch 7 Drawings_NON-REDACTED.pdf
Chapter 8, Electrical Systems	008_8.1 Electrical Systems.pdf
Chapter 8, Drawings	008_8.2 Ch 8 Drawings.pdf
Chapter 9, Auxiliary and Emergency Systems	009_9.1 Auxiliary & Emerg Sys.pdf
Chapter 9, Figures	009_9.2 Ch 9 Figures.pdf
Chapter 9 Drawings – NON-REDACTED	009_9.3 Ch 9 Drawings_NON-REDACTED.pdf

**ENCLOSURE 2 TO NL-17-121**

**INDIAN POINT ENERGY CENTER (IPEC)**  
**UNIT 3, Docket No. 50-286**

Document Title	File Name
<b>Multiple File Document - Indian Point 3 UFSAR, 2017 Rev. 07</b>	
Chapter 10, Steam and Power Conversion System	010_10.1 Steam & Power Conv Sys.pdf
Chapter 10, Figures	010_10.2 Ch 10 Figures.pdf
Chapter 10, Drawings – NON-REDACTED	010_10.3 Ch 10 Drawings_NON-REDACTED.pdf
Chapter 11, Waste Disposal and Radiation Protection System	011_11.1 Waste Dis & Rad Prot Sys.pdf
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