Entergy

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J. Pollock
Site Vice President
Administration

October 20, 2008

Re: Indian Point Unit No. 2
Docket No. 50-247
NL-08-163

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station O-P1-17
Washington, D.C. 20555-0001

Subject: **Indian Point 2 (IP2) Nuclear Power Plant Amendment Update to the Final Safety Analysis Report (FSAR), Revision 21**

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 2 (IP2). This submittal incorporates applicable changes made to the IP2 facility since the last UFSAR update in November 15, 2006, through the information available as of April 20, 2008, the completion of the last IP2 refueling outage. This submittal constitutes the twenty first (21) revision to the IP2 UFSAR.

As was done with previous versions of the IP2 UFSAR, this revision is being submitted on CD-ROM, and contains the entire IP2 UFSAR in Adobe Acrobat PDF format. The CD-ROM was prepared in accordance with the guidance contained in the NRC Electronic Submissions Final Rule issued October 10, 2003.

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. 21" 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 1), and is no longer subject to updating. Material designated as "Historical" information in the UFSAR is indicated by a green highlighted background.

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IP2 Technical Specification 5.5.12.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 1, "Summary of Revisions to the IP2 Technical Specification Bases".

Attachment 2, "Revisions to IP2 Docketed Commitments," submits a summary update of all changes made to the Unit 2 docketed commitments using the NEI 99-04 guidance (Reference 2) for determination of commitments which do not have either a safety or regulatory significance, which may be changed without prior interaction with the NRC staff and which require periodic NRC staff, notification either annually or along with the FSAR updates as required by 10 CFR 50.71(e).

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 and the update/reporting requirements of 10CFR50.71(e). Attachment 3 of this letter, "Summary of Revisions to the IP2 Technical Requirements Manual (TRM)," submits the summary of changes to the IP2 TRM for the same time period as the IP2 FSAR update.

Attachment 4 of this letter, "Summary Report to the NRC of Revision 21 UFSAR Changes," contains a summary with a brief description of the information changed in this revision to the IP2 UFSAR.

Entergy is making no new commitments in this letter.

Should you or your staff have any questions regarding this submittal, please contact Mr. Robert Walpole, Manager, Licensing, Indian Point Energy Center (IPEC) at (914) 734-6710.

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

Executed on 10/20/08
Date

Sincerely,

J. Pollock
Site Vice President
Indian Point Energy Center

Attachment:
1. Summary of Revisions to the IP2 Technical Specification Bases
2. Revisions to IP2 Docketed Commitments
3. Summary of Revisions to the IP2 Technical Requirements Manual (TRM)
4. Summary Report of IP2 Revision 21 UFSAR Changes

Enclosure: CD-ROM containing the IP2 UFSAR (Rev. 21) files

cc w/o enclosure:
Mr. John P. Boska, Senior Project Manager, NRC NRR DORL
NRC Resident Inspector's Office, Indian Point Energy Center
Mr. Paul Eddy, NYS Department of Public Service

ATTACHMENT 1 TO NL-08-163

SUMMARY OF REVISIONS TO THE IP2 TECHNICAL SPECIFICATION BASES

ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2
DOCKET NO. 50-247

CHANGES TO INDIAN POINT 2 TECHNICAL SPECIFICATION BASES

(for period November 2007 through October 14, 2008)

AFFECTED SECTIONS	REV	EFFECTIVE DATE	DESCRIPTION
ALL	0	11/3/2003	Initial issue of Bases derived from NUREG-1431, in conjunction with Technical Specification Amendment 238 for conversion of 'Current Technical Specifications' to 'Improved Technical Specifications'.
BASES UPDATE PACKAGE 01-12102003			
B 3.1.6 B 3.3.1 B 3.3.2 B 3.3.4 B 3.4.15 B 3.4.16 B 3.5.2 B 3.6.3 B 3.6.6 B 3.6.10 B 3.7.7	1	12/10/2003	Various wording clarifications based on Licensed Operator feedback during trial run of ITS.
BASES UPDATE PACKAGE 02-03042004			
B 3.8.9	1	03/04/2004	Remove 'MCC 210' from Table B 3.8.9-1, per 50.59 screen
BASES UPDATE PACKAGE 03-08092004			
B 3.3.1	2	08/09/2004	Clarification of testing in bypass, per 50.59 screen.
B 3.3.5	1	08/09/2004	Clarify requirements for performing a Trip Actuating Device Operational Test (TADOT) on the 480Volt SBO, degraded grid and undervoltage relays, per 50.59 screen.
B 3.7.10	1	08/09/2004	CRVS Fan terminology correction, per 50.59 screen.
B 3.8.7	1	08/09/2004	Clarification of inverter operability with frequency out-of-range, per 50.59 screen.
B 3.8.9	2	08/09/2004	Update Table 3.8.9-1 for safeguards MCC's, per 50.59 screen.
B 3.9.4 B 3.9.5	1 1	08/09/2004 08/09/2004	Installation of a roll-up door on the Containment Equipment Hatch, per 50.59 Evaluation 04-0732-MD-00-RE.

AFFECTED SECTIONS	REV	EFFECTIVE DATE	DESCRIPTION
BASES UPDATE PACKAGE 04-10222004			
B 3.4.7	1	10/22/2004	Clarification on SG coupled to remove residual heat to provide additional operating flexibility while remaining consistent with the guidance of IN 95-35, per 50.59 screen.
BASES UPDATE PACKAGE 05-11222004			
B 3.3.2	2	11/22/2004	Stretch Power Uprate (3.26%) from 3114.4 MWth to 3216 MWth.
B 3.4.1 B 3.4.9 B 3.5.4	1	11/22/2004	
BASES UPDATE PACKAGE 06-12132004			
B 3.1.1 B 3.2.2	1	12/13/2004	Stretch Power Uprate (3.26%) from 3114.4 MWth to 3216 MWth.
B 3.3.1 B 3.3.2	3		
B 3.3.6 B 3.3.7 B 3.4.13	1		
B 3.4.16	2		
B 3.6.1 B 3.6.2	1		
B 3.6.3	2		
B 3.6.4 B 3.6.7 B 3.7.3 B 3.7.4 B 3.7.5	1		
B 3.7.7	2		
B 3.7.8	1		**Continued from previous page**

AFFECTED SECTIONS	REV	EFFECTIVE DATE	DESCRIPTION
B 3.7.10 B 3.7.11 B 3.7.14 B 3.8.2 B 3.8.5 B 3.8.8 B 3.8.10 B 3.9.6	2 1	12/13/2004	Stretch Power Uprate (3.26%) from 3114.4 MWth to 3216 MWth.
BASES UPDATE PACKAGE 07-02252005			
B 3.3.1 B 3.7.5	4 2	02/25/2005	Clarification on the frequency of Surveillance Requirement 3.3.1.8 to perform a Channel Operational Test (COT) (CR-IP2-2004-04344). Clarification on Surveillance Requirement 3.7.5.3 as it relates to plant condition/frequency of performance of Auxiliary Feedwater Pump full flow testing.
BASES UPDATE PACKAGE 08-06102005			
B 3.5.2	2	06/10/2005	Change the Hot Leg Switchover time from 24 hours to 6.5 hours (as per the latest Westinghouse Power Uprate analyses).
BASES UPDATE PACKAGE 09-08102005			
TOC B 3.3.3 B 3.3.4 B 3.4.13 B 3.6.8 B 3.7.10	1 1 2 2 1 3	08/10/2005	TOC, B 3.3.3, B 3.6.8 - Removal of Hydrogen Recombiners from the bases as per Technical Specification Amendment 243. B 3.3.4 – add the circuit breaker and transfer switch designators to the 21 and 22 RHR pump sections. B 3.4.13 - Reference correction – editorial. B 3.7.10 – Add reference that if the primary coolant source of containment is in question, refer to ITS 5.5.2.
BASES UPDATE PACKAGE 10-09162005			
B 3.6.2	1	09/16/2005	Clarification to reflect the approved TS 5.5.14 which states that the testing program shall be in accordance with RG 1.163.

AFFECTED SECTIONS	REV	EFFECTIVE DATE	DESCRIPTION
B 3.6.10	1	09/16/2005	**Continued from previous page** Update LCO and Condition B to clarify required actions consistent with FSAR.
BASES UPDATE PACKAGE 11-11042005			
B 3.8.1	1	11/04/2005	Include operability criteria for 138 kV and 13.8 kV offsite circuits.
BASES UPDATE PACKAGE 12-11102005			
B 3.7.3	2	11/10/2005	Assess low flow FBVs and low flow FIVs being opened while at power and the single failure of either valve for MSLB (as per 50.59 Evaluation IP2-05-026384). This supplements the SPU analysis.
BASES UPDATE PACKAGE 13-12212005			
B 3.8.1 B 3.9.3	2 1	12/21/2005	B 3.8.1 – Allow for the performance of offsite power verifications up to 8 hours prior to a planned equipment outage. Clarify the 22 EDG starting air motor redundancy limitations. Provide for establishing EDG operability on one air start motor when one of the redundant air start motors is inoperable and to provide for a staggered surveillance of operable air start motors. B 3.9.3 – Reflect the revised fuel decay time assumption used in the updated fuel handling accident analysis performed for the IP2 Stretch Power Uprate Project.
BASES UPDATE PACKAGE 14-02272006			
B 3.7.3	3	02/27/2006	Reflect the current design of main FW isolation based on cited documents and made to provide operations with clarification (EVL-IP2-05-026384, Analysis CN-CRA-03-20 (SPU MSLB)

AFFECTED SECTIONS	REV	EFFECTIVE DATE	DESCRIPTION
BASES UPDATE PACKAGE 15-04132006			
B 3.4.9 B 3.7.3	2 4	04/13/2006	B 3.4.9 - Relaxation of the pressurizer water level limit in Mode 3. B 3.7.3 – Clarification on electronic valve closure delay assumptions, per 50.59 Evaluation EVL-IP2-05-26384, Rev. 1
BASES UPDATE PACKAGE 16-07062006			
B 3.9.1 B 3.9.2	1 1	07/06/2006	B 3.9.1 - Clarification on effective method for ensuring shutdown margin. B 3.9.2 – Editorial change to make the bases consistent with TS 3.3.1.
BASES UPDATE PACKAGE 17-08152006			
B 3.3.3 B 3.4.15	2 2	08/15/2006	B 3.3.3 – Reflect deletion of LT-940 from the TS LCO 3.3.3 (Amendment 249). B 3.4.15 – Remove LT-3303 (Sump Mod – 2R17)
BASES UPDATE PACKAGE 18-11072006			
B 3.0 B 3.3.4 B 3.6.10	1 3 3	11/07/2006	B 3.0 - Reflect allowing a delay time for entering a supported system TS when the inoperability is due solely to an inoperable snubber, if risk is assessed and managed. Limiting Condition of Operation 3.0.8 is added to provide this allowance and define the requirements and limitations of its use. (Amendment 245) B 3.3.4 – Addition of indicators LI-459A and LI-459B to provide additional Remote Shutdown Instrumentation flexibility. B 3.6.10 – Revise editorial error on B 3.6.10-2 to make consistent with page B 3.6.10-9.

BASES UPDATE PACKAGE 19-02162007			
B 3.7.12 B. 3.7.13 B 3.8.5	1 1 2	02/16/2007	B 3.7.12 & B 3.7.13 – Reflect that the validity of the criticality and boron dilution analysis can be extended through end of current license based upon Badger Testing in 2003 and 2006 and Racklife code projections. B 3.8.5 – Clarify LCO bases regarding allowance to cross-connect DC subsystems with the plant in Modes 5 and 6 (CR-IP2-2006-02339).
BASES UPDATE PACKAGE 20-04112007			
TOC B 3.4.4 B 3.4.5 B 3.4.6 B 3.4.7 B 3.4.13 B 3.4.17 B 3.7.5 B 3.8.3	2 1 1 1 2 3 0 3 1	04/11/07	TOC, B 3.4.4, B 3.4.5, B 3.4.6, B 3.4.7, B 3.4.13, and B 3.4.17 - Implement TS Amendment 251 related to steam generator tube integrity. B 3.7.5 – Clarify the relationship between the AFW system and a design basis SBLOCA. B 3.8.3 – Revise the wording regarding EDG operating time capability, associated loading and unusable fuel volume to be consistent with UFSAR Section 8.2.3.2
BASES UPDATE PACKAGE 21-05162007			
B 3.9.4 B 3.9.5	2 2	05/16/2007	Remove use of the roll-up door as a Containment closure device subsequent to loss of RHR cooling in Mode 6.
BASES UPDATE PACKAGE 22-08082007			
B 3.3.3	3	08/08/2007	Identify the TS for functions 5 and 6 as non-conservative and to send the reader to TRM 3.3.K.

BASES UPDATE PACKAGE 23-10052007			
B 3.3.1 B 3.8.2	5 2	10/05/2007	B 3.3.1 – The TS and bases currently allow a normal shutdown without the SR testing by reducing power below the modes of applicability for SR 3.3.1.8. Clarify that testing is not required if such testing was done within the prior 184 days, even if a mode of applicability was still met. B 3.8.2 – Clarify LCO with regard to the required power sources for modes 5 and 6.
BASES UPDATE PACKAGE 24-12142007			
B 3.7.10	4	12/14/2007	List CCRA1 supplying Train B and CCRA2 supplying Train A.
BASES UPDATE PACKAGE 25-04112008			
B 3.6.6 B 3.6.7	2 2	04/11/2008	B 3.6.6 and B 3.6.7 – Replacement of the trisodium phosphate buffer by sodium tetraborate (Amendment 253)
BASES UPDATE PACKAGE 26-07012008			
B 3.4.16	3	07/31/2008	Implement the Bases pages of TSTF 490 for dose equivalent iodine (Amendment 254)
BASES UPDATE PACKAGE 27-09162008			
B 3.8.1 B 3.8.3	3 2	09/16/2008	Reflect installation of Appendix R Diesel and GT removal.

ATTACHMENT 2 TO NL-08-163

REVISIONS TO IP2 DOCKETED COMMITMENTS

ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2
DOCKET NO. 50-247

Revisions to IP2 Docketed Commitments
May 2006 through April 2008

COMMITMENT NUMBER	CURRENT STATUS	CHANGED DATE	DESCRIPTION
			Revised text:

NOTE: **There were no commitments changed over the time frame that require a report to the NRC per the NEI 99-04 guidance.**

ATTACHMENT 3 TO NL-08-163

SUMMARY OF REVISIONS TO THE IP2 TECHNICAL REQUIREMENTS MANUAL (TRM)

ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2
DOCKET NO. 50-247

Unit 2
TECHNICAL REQUIREMENTS MANUAL (TRM)

REVISION HISTORY

AFFECTED SECTIONS	NEW REV #	EFFECTIVE DATE	DESCRIPTION
3.7.F	2	03/31/2004	To extend the testing frequency of the Post Accident containment venting system from 24 months to 60 months.
3.9.C	2		Revise TRO 3.9.C from "Spent fuel pit water level shall be maintained > 23 ft above the top of irradiated fuel" to say, "The Spent Fuel Pit water level shall be >23 ft over the top of irradiated fuel assemblies seated in the storage racks."
5.3.B	2		Revise the to be more generic in referencing the procedures(s) used for Procedure Preparation, Review, and Approval and to state that changes shall be reviewed and approved in accordance with the approved process that meets the requirements in the Quality Assurance Program Manual.
3.3.C 3.3.K B3.3.K	2 3 3	08/19/2004	Changes to Service Water Inlet Temperature Monitoring and Instrumentation for references to correct conditions, actions and time. Section 3.3.K changes to : "Flowmeter (LEFM) check 2000 system" to "Flowmeters (LEFMs)".
5.0	4	08/24/2004	Change responsibility to read the Shift Manager shall be responsible for ensuring plant operations are in accordance with the TRM.
B 3.9.B	2	10/28/2004	Add clarification to TRM for the use of the roll-up door as a containment closure device.
B3.0	2	01/20/2005	Place the word NOT in paragraph on B3.0-3.
5.0	5		Replace Steam Generator procedure reference with a new

			joint EN-DC-317 reference.
3.2.A B 3.2.A	2 2	01/24/2005	Revise to say, "Both Quadrant power tilt monitors" instead of "One Quadrant power tilt monitor, and "Verify QPTR is within limit by calculation" instead of "Perform Tech Spec SR 3.2.4.1."
TOC 3.3.K B.3.3.K	2 3 3	04/20/2005	Deletions due to Stretch Power Uprate 2% uncertainty.
5.0	6	05/04/2005	Update of the Inservice Testing Program procedures list.
5.0	7	05/24/2005	Add requirement to provide to the NRC using an industry database (INPO's) the operating data for each calendar month that is described in GL 97-02 by the last day of the month following the end of each calendar quarter.
Complete TRM to NRC		05/23/2005	Provide to the NRC the complete TRM as of 05/23/2005 and the revision history.
5.0	8	11/30/2005	Update the procedures listed in 5.5.B "Primary Coolant Sources Outside Containment" and 5.5.F "Inservice Testing Program". The procedure list is contained in procedures ENN-DC-197 & 332.
3.9.A B3.9.A	2 2	02/02/2006	Revise the TRM to reflect the fuel decay time assumption used in the updated fuel handling accident analysis performed for the IP2 Stretch Power Uprate project.
3.0 B3.0 3.3.G 3.9.A B3.9.A	3	02/02/2006	Update the rules of usage sections of TRO and TRS to reflect the adoption of TSTF-359; "Increased Flexibility in MODE Restraints".
B3.0	4	02/07/2006	Typo correction for TRS in place of Surveillances
3.3.G	4	03/14/2006	Correction to Rev. 2 of this section deleted step 6 from Table 3.3.G-1 PAM, however, the master copy still showed Rev. 1. Rev. 3 was made from Rev. 1 and step 6 was still included.
TOC	4	07/25/2006	Removal of subheading in section 5.4 to create Units 2 & 3 TOC the same.

3.7.A 5.0	2 9		Addition of new type of snubber, LISEGA to section that may be inspected remotely. Removal of required annual submittal of an Occupational Radiation Exposure Report from Tech Specs under adoption of TSTF-369 an adds a new reporting requirement to the TRM for an annual occupational exposure information.
Complete TRM to NRC		11/17/2006	Provide to the NRC the complete TRM as of 11/17/2006 and the revision history.
3.3.B B.3.3.B	2	03/06/2007	Change to provide a TRM clarification such that it is understood that there are 5 transmitters applicable to section 3.3.B RHR Flow Monitoring Instrumentation.
3.3.K	0		Containment / Recirculation Sump Level Indication addition to TRM.
3.3.L	0	09/04/2007	Containment / Recirculation Sump Level Indication addition to TRM section changed from 3.3.K to 3.3.L.
3.3.K	0	09/04/2007	Toxic Gas Monitoring Instrumentation added to TRM from UFSAR. Was previously Containment / Recir section, moved to 3.3.L.
3.3.B	0	10/05/2007	Gas Turbines section added to TRM.
3.8.C	2	10/05/2007	Provide additional detailed information on the surveillances routinely performed for the IP2 TSC diesel.
TOC	8	03/03/2008	Typo on page numbering for section 3.3.L
Report of TRM Changes to NRC		10/20/2008	Provide to the NRC the completed TRM revision history changes as of 10/20/2008.

ATTACHMENT 4 TO NL-08-163

SUMMARY REPORT OF IP2 REVISION 21 UFSAR CHANGES

ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2
DOCKET NO. 50-247

2008
Summary Report of IP2 Revision 21 UFSAR Changes
May 2006 through October 2008

FSAR CHAPTER & PACKAGE NUMBER U208	AFFECTED PAGES, TABLE, or FIGURES	SOURCE of CHANGE, 50.59 or SCREEN	INITIATOR'S NAME	INFORMATION DESC. OF CHANGE / PROBLEM
CH. 1				
01-01-001	Pg. 1	NRC SER for LAR for Stretch Power Uprate	J. Quirk	Revise the UFSAR to reflect the correct Megawatt Thermal output of 3216 MWt and approximate electric output of 1078 MWe from the SPU changes.
01-01-002	Pg. 33	Editorial	A. Stewart	Update the UFSAR supplements to include Rev. 21.
01-09-001	Ch. 1 Pg. 33 Ch. 3	EC 5000034131	M. Driscoll	Reactor Core Information for 2R18.
CH. 2				
02-02-001	Pg. 3	PAD	A. Stewart	Correction to the Algonquin gas pipeline information.
CH.3				
CH. 4				
04-02-001	T4-2-1 App. 4C	50.59 screen	W. Wittich	Revise table and appendix to reflect actual materials of construction as documented in WCAP-15151 and 1968 Material Certification reports.
04-02-002	Pg. 40 T4.2-7 & Ch. 14 Pg.63 T14.3-52	TS Amend. #231 & 241 CR-IP2-2006-06522 WCAP-15629, Rev. 1 CR-IP2-2006-06530	F. Gumble	Correct discrepancies in the reported copper and nickel content of 3 Rx. Vessel base plates. -&- Tank Rupture
04-03-001	T4.3-2	NL-07-039 Error in technical data from vendor found during License Renewal.	W. Wittich	Revise the table to reflect Cumulative Usage Factors with optimized Reactor Vessel stud tensioning procedures as documented in Stress Report R-4147-00-1.

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Summary Report of IP2 Revision 21 UFSAR Changes
May 2006 through October 2008

FSAR CHAPTER & PACKAGE NUMBER U208	AFFECTED PAGES, TABLE, or FIGURES	SOURCE of CHANGE, 50.59 or SCREEN	INITIATOR'S NAME	INFORMATION DESC. OF CHANGE / PROBLEM
CH. 5				
05-01-001	Pg. 42	PAD & 50.59 screen	F. Gumble	Remove use of the rollup door as a Containment closure device subsequent to loss of RHR cooling in MODE 6.
05-02-001	T5.2-1	CR-IP2-08-02231 PAD	K. Curley	Change the normal position of Containment Isolation Valves 791, 798, 796 & 793 from normally open to normally closed.
CH. 6				
06-01-001	6.1.1 6.3.2 App 6A, 6C 7.1.4 9.2.2 14.3.6	NL-07-077, NRC SER 2/7/08 EC-5000034233	F. Bauer	To implement GSI-191 potential debris & chemical clogging of sump screens to change the pH buffer from STB to TSP.
06-02-001	6.2.3.9.2 Pg. 35	PAD LO-IP3LO-2006-00335 CA 12 & 13	L. Cerra	Clarification of the term "run-out" relative to 20% margin.
06-02-002	6.2.2 Pg. 16	PAD & 50.59 screen EOP ES-1.3 & ES-1.4	J. Bencivenga	Add note about operation of 2 IR pumps restriction to low head recirculation conditions. If high head recir exist, operator action will be taken to preclude operating 2 pumps in parallel.
06-02-003	6.2.2 Pg. 12 T6.2-2 6.7.1 Pg. 117 Ch. 7 Pg. 2, 88	PAD & 50.59 screen for sump mod	L. Cerra	Completion of sump modifications. **Also includes package U208 06-07-001 below.**

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Summary Report of IP2 Revision 21 UFSAR Changes
May 2006 through October 2008

FSAR CHAPTER & PACKAGE NUMBER U208	AFFECTED PAGES, TABLE, or FIGURES	SOURCE of CHANGE, 50.59 or SCREEN	INITIATOR'S NAME	INFORMATION DESC. OF CHANGE / PROBLEM
06-04-001	Pg. 81	Original Typo	NRC Identified	Cooling coils in org. plant design are listed as tubes 0.0625" diameter & tube thickness of 0.035" both are incorrect.
06-06-001	6.6.2 Pg. 97	PAD EC 7121	J. Bencivenga	Retire in place WC&PPS supply to penetration MP-O-O.
06-07-001 PART of PKG. 06-02-003	Pg. 117 & Ch. 7 Pg 2, 88	PAD & 50.59 Screen ERCN-IP2-06-28155 ER 04-02-234	R. Sergi	Removal of containment sump level transmitter LT-940.
06-08-001	Pg. 138	NRC SER's for LAR's 228 & 243 RA-05-022	K. Kingsley	Was Pkg. IP2-06 01-01-002 but information was missed in 2006 update.
CH. 7				
07-02-001	7.2.1.1 Pg. 14	NRC SER	G. Dahl	Relocation of Toxic Gas monitor LCO information from Ch. 7 & Ch. 9 into TRM.
07-02-002	F7.2-3 10.2.3	EC-5000034060 (ER-05-2-137) PAD	A. King	Stator Cooling Water Reliability Upgrade.
07-02-003	7.2 pg.35	Editorial for clarification of IEEE	W. Mahlmeister	Cable tests rated at 600 volts for IEEE.

2008
Summary Report of IP2 Revision 21 UFSAR Changes
May 2006 through October 2008

FSAR CHAPTER & PACKAGE NUMBER U208	AFFECTED PAGES, TABLE, or FIGURES	SOURCE of CHANGE, 50.59 or SCREEN	INITIATOR'S NAME	INFORMATION DESC. OF CHANGE / PROBLEM
CH. 8				
08-01-001	Section 8.1 Pg. 7 & 8.5 Pg. 29	PAD & 50.59 screen IP2-2008 08-01-001 CR-IP2-2007-00404	J. Herrera	Statement that the station batteries are subjected to an equalize charge on a periodic basis is not a vendor recommended practice and should be changed to an equalize charge based on voltage and specific gravity readings.
08-01-002	8.1 Pg. 3, 6 8.2 Pg. 9, 10, 19, 22 8.3 Pg. 28, 29 8.5 Pg. 29, 30 Ch. 9 Pg. 17, 46	EC SBO/App R diesel	S. Prussman	Revise UFSAR for placement of Gas Turbine with SBO/App R diesel.
08-02-001	8.2.3 Pg. 19	PAD & 50.59 screen	J. Bencivenga	EDG air receivers UFSAR information needs to be corrected for one automatic start during any particular power failure. This was identified during the NRC CDBI inspection, LOCR-IP2LO-06-335.
08-02-002	8.2.1 Pg. 10 8.5 Pg. 29	CR-IP2-2006-04722 CA-2	G. Dahl	LCO & Surv. Req.s for Gas Turbines removed and relocated into the TRM.
08-05-001	8.5 Pg. 29	Editorial Change Only	A. Stewart	Correction that changes to the Maint. Program are controlled by 10 CFR 50.64 and not 50.59
CH. 9				

2008
Summary Report of IP2 Revision 21 UFSAR Changes
May 2006 through October 2008

FSAR CHAPTER & PACKAGE NUMBER U208	AFFECTED PAGES, TABLE, or FIGURES	SOURCE of CHANGE, 50.59 or SCREEN	INITIATOR'S NAME	INFORMATION DESC. OF CHANGE / PROBLEM
09-02-001	9.2 p. 17 9.3 p. 45		E. Anderson	App. R diesel
09-03-001	46, 50	Editorial Change Only CR-IP2-2007-00452 Westinghouse Calc. CN-SEE-03-5, Rev. 0 WCAP 12312, Rev.0	S. Wilkie	Add Westinghouse reference to references for section 9.3 and correct typo on pg. 46.
09-05-001	New section 9.5.7	50.59 screen ER-05-2-014 ER-05-2-015	R. Evers	Addition of the new Unit 2 Fuel Storage Building Dry Cask Operations and crane to the UFSAR.
09-06-001	87, 88	NRC SER's for Fire Protection Program	S. Wilkie	Removal of detail per NEI98-03 and adding in the NRC listing of approved FP SER's.
09-06-002	85	PAD & 50.59 screen	G. Bhalla	Butterfly valve SWN-840 removal and the 7500 GPM flow orifice as the material upgrade to the FCU tubes.

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CH. 10				
10-01-001	10	PAD & 50.59 screen ER-06-2-141	Y. Nembo	Correct turbine differential expansion instrumentation which does not properly correlate to the actual axial clearance.
10-01-002	F10.1-1	NRC SER for LAR# 241	J. Bubniak	SPU increased thermal and electric power, this change is to correct information missed in the 2006 update for Figure 10.1-1.
CH. 11				
11-02-001	40	PAD & 50.59 screen IP2-2008 11-02-001	R. Deschamps	Removal of detail per NEI 98-03. Limits for removal of contamination in the controlled area should be removed and controlled through Rad Pro procedures.
CH. 12				
12-01-001	Pg. 1 & 2	QAPM PAD	F. Bloise	Facility staff qualifications changed to reflect in the requirements ANSI N18.1-1971 to ANSI/ANS-3.1-1978.
12-06-001	Pg. 5	PAD NRC approval of the Security Plan changes	S. Prussman	Changes to the UFSAR to update and correctly reflect new NRC approved Security Plan changes.
CH. 13				
CH. 14				

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14-02-001	69 & 70	PAD & 50.59 screen IP2-2008 14-02-001 W.O. IP2-06-31214	C. Tippin	Based on Badger testing the validity of the criticality and boron dilution analysis can be extended through the end of the current license 09/30/2013.
14-02-002	Pg. 94-96, 110 -112, F14-2-12 F14.2-15 F14.2-16 F14.2-18	PAD & 50.59 screen IP2-2008 14-02-002	A. Irani	This change is to correct an error in the analysis of the RCCA ejection accident.
CH. 15				