

I. OVERVIEW / SIGNATURES

Facility: Waterford 3 SES
 Document Reviewed: ER-W3-2001-1149-015 Change/Rev.: 0
 Description: EPU Impact on FSAR Chapter 15
 System Designator(s)/Description: N/A

Description of Proposed Change:

ER-W3-2001-1149-015 is an Interdiscipline ER that provides the evaluation of the proposed Extended Power Uprate (EPU) to determine if there are any impacts on FSAR Chapter 15 that result from the implementation of EPU. This ER is input to ER-W3-2001-1149-000, the Nuclear Change ER that provides the justification for the acceptability of the implementation of EPU at Waterford 3 Steam Electric Station. ER-W3-2001-1149-015 revises FSAR Chapter 15 to address EPU-related impacts via DRN 03-2067; these changes are listed and reviewed in Table 1, Table 2, and Table 3 of this 50.59 review.

Calculations were completed in support of the evaluation of the analyses and evaluations discussed in Chapter 15 of the FSAR. Each of these calculations and analyses is summarized in ER-W3-2001-1149-015 with regards to the purpose of the calculation and the conclusions reached in the calculation. No hardware changes are required as a result of these calculations and analyses done in support of the FSAR Chapter 15 evaluations.

A number of the proposed FSAR changes are identified as typographical/editorial and do not affect the plant design bases or any plant functions or operations as identified in FSAR Chapter 15. These changes only correct typographical errors or they are editorial in nature. See Table 1, Table 2, and Table 3 for details.

Several changes are considered to be "FSAR-only" changes in accordance with procedure LI-113 and do not require further evaluation. These changes are listed in Table 1 along with the specific justification from LI-113 which allows the change without further evaluation.

One change requires a 50.59 evaluation because it was not explicitly discussed in the EPU license amendment request (LAR) Power Uprate Report (PUR) or its supplements. This is related to FSAR Section 15.1.3.1, concerning the use of a Peak Linear Heat Rate of 24 kw/ft criteria for determining if fuel melt will occur. See Section IV of this 50.59 Review for this evaluation.

The balance of the FSAR changes are related to the changes discussed in the PUR portion of the LAR for the EPU; these changes are listed in Table 1, Table 2, and Table 3 of this 50.59 review. The acceptability of these changes are dependent on the NRC's approval of the pending Waterford 3 EPU LAR.

Check the applicable review(s): (Only the sections indicated must be included in the Review.)

<input checked="" type="checkbox"/>	EDITORIAL CHANGE of a Licensing Basis Document	Section I
<input checked="" type="checkbox"/>	SCREENING	Sections I and II required
<input type="checkbox"/>	50.59 EVALUATION EXEMPTION	Sections I, II, and III required
<input checked="" type="checkbox"/>	50.59 EVALUATION (#: <u>05-001</u>)	Sections I, II, and IV required

Preparer: W.H. Chenault / [Signature] / Enercon / DE / 1/06/05
 Name (print) / Signature / Company / Department / Date

Reviewer: Ralph Schwartzbeck / [Signature] / Enercon / DE / 1/06/05
 Name (print) / Signature / Company / Department / Date

OSRC: RALPH DODDS / [Signature] / 1/6/2005
 Chairman's Name (print) / Signature / Date
 [Required only for Programmatic Exclusion Screenings (see Section 5.8) and 50.59 Evaluations.]

II. SCREENINGS

A. Licensing Basis Document Review

1. Does the proposed activity impact the facility or a procedure as described in any of the following Licensing Basis Documents?

Operating License	YES	NO	CHANGE # and/or SECTIONS IMPACTED
Operating License	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
NRC Orders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

If "YES", obtain NRC approval prior to implementing the change by initiating an LBD change in accordance with NMM LI-113. (See Section 5.2[13] for exceptions.)

LBDs controlled under 50.59	YES	NO	CHANGE # (if applicable) and/or SECTIONS IMPACTED
FSAR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ER-W3-2001-1149-015, DRN No. 03-2067
TS Bases	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Technical Requirements Manual	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Core Operating Limits Report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
NRC Safety Evaluation Report and supplements for the initial FSAR ¹	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
NRC Safety Evaluations for amendments to the Operating License	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

If "YES", perform an Exemption Review per Section III OR perform a 50.59 Evaluation per Section IV OR obtain NRC approval prior to implementing the change. If obtaining NRC approval, document the LBD change in Section II.A.5; no further 50.59 review is required. However, the change cannot be implemented until approved by the NRC. AND initiate an LBD change in accordance with NMM LI-113.

LBDs controlled under other regulations	YES	NO	CHANGE # (if applicable) and/or SECTIONS IMPACTED
Quality Assurance Program Manual ²	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Emergency Plan ³	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fire Protection Program ^{3,4} (includes the Fire Hazards Analysis)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Offsite Dose Calculations Manual ^{3,4}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

If "YES", evaluate any changes in accordance with the appropriate regulation AND initiate an LBD change in accordance with NMM LI-113. No further 50.59 review is required.

¹ If "YES," see Section 5.2[5]. No LBD change is required.

² If "YES," notify the responsible department and ensure a 50.54 Evaluation is performed. Attach the 50.54 Review.

³ Changes to the Emergency Plan, Fire Protection Program, and Offsite Dose Calculation Manual must be approved by the OSRC in accordance with NMM OM-119.

⁴ If "YES," evaluate the change in accordance with the requirements of the facility's Operating License Condition or under 50.59, as appropriate.

2. Does the proposed activity involve a test or experiment not described in the FSAR? Yes
 No

If "yes," perform a 50.59 Evaluation per Section IV OR obtain NRC approval prior to implementing the change AND initiate an LBD change in accordance with NMM LI-113. If obtaining NRC approval, document the change in Section II.A.5; no further 50.59 review is required. However, the change cannot be implemented until approved by the NRC.

3. **Basis**

Explain why the proposed activity does or does not impact the Operating License/Technical Specifications and/or the FSAR and why the proposed activity does or does not involve a new test or experiment not previously described in the FSAR. Discuss other LBDs if impacted. Adequate basis must be provided within the Screening such that a third-party reviewer can reach the same conclusions. Simply stating that the change does not affect TS or the FSAR is not an acceptable basis. See EOI 50.59 Guidelines Section 5.3.2 for guidance.

ER-W3-2001-1149-015 is an Interdiscipline ER with the scope of providing the evaluation of FSAR Chapter 15 and any required FSAR changes as a result of the proposed implementation of EPU. The ER documents evaluation of the Waterford 3 Extended Power Uprate (EPU) effects on the FSAR Chapter 15 analysis and associated licensing documentation. Operation under EPU conditions may require plant SSCs to operate under different conditions, meet different performance criteria, or perform new or different functions. Evaluation of FSAR Chapter 15 is necessary to address the potential for EPU to affect plant's response to transients and postulated accidents. While the ER will identify the effects of EPU on these analyses, other ERs will evaluate the affected plant systems and implement any required changes to ensure readiness for operation under EPU.

Operating License:

The Waterford Unit 3 operating license is impacted by the Extended Power Uprate, however, the license amendment request for the extended power uprate (LAR NPF-38-249) addresses those applicable changes, and none of these changes are linked to the changes provided by this ER. Therefore, the proposed activity does not impact the Waterford Unit 3 operating license.

Technical Specifications:

Waterford Unit 3 operating Technical Specifications are impacted by the Extended Power Uprate, however, the license amendment request for the extended power uprate (LAR NPF-38-249) addresses those applicable changes, and none of these changes are a direct result of the changes associated with the Chapter 15 ER. Therefore, the proposed activity does not impact Waterford Unit 3 Technical Specifications.

NRC Orders:

Waterford Unit 3 has received NRC Orders pertaining to plant security and reactor vessel head inspections. Due to the scope of this ER, this ER does not impact the NRC Orders and the NRC Orders do not impact the evaluations within the scope of this ER.

FSAR:

There are multiple FSAR changes implemented by this ER. See Table 1, Table 2, and Table 3 for details and review of these changes.

Technical Specification Bases:

There are no specific Technical Specification Bases changes associated FSAR Chapter 15. Technical Specification Bases changes associated with EPU are addressed in, and will be implemented by, ER-W3-2001-1149-000.

Technical Requirements Manual:

There are no specific TRM changes associated FSAR Chapter 15. TRM changes associated with EPU are addressed in, and will be implemented by, ER-W3-2001-1149-000.

Core Operating Limits Report:

The COLR for reload will be processed under the Cycle 14 Reload ER. The activities associated with this ER do not impact the COLR since the ER itself makes no changes in the operation of the plant, does not

impact the type of fuel used and does not change the limits defined in the COLR.

NRC Safety Evaluation Report and Supplements for the initial FSAR:

The NRC will review the EPU license amendment submittal and issue a Safety Evaluation Report (SER) for the changes within the scope of the amendment request. The changes within the scope of this ER are bounded by the license amendment request. Changes not specifically addressed in the amendment request are considered editorial, changes that directly support the EPU request, or changes that indirectly support the EPU request. None of the changes within the scope of this ER were determined to invalidate the WF3 SER or supplements or require NRC approval prior to implementation.

NRC Safety Evaluations for amendments to the Operating License:

The NRC will review the EPU license amendment submittal and issue an SER for the changes within the scope of the amendment request. The changes within the scope of this ER are bounded by the license amendment request. Changes not specifically addressed in the amendment request are considered editorial, changes that directly support the EPU request, or changes that indirectly support the EPU request. None of the changes within the scope of this ER were determined to invalidate the SERs for existing license amendments or require NRC approval prior to implementation.

Quality Assurance Program Manual:

This activity complies with all requirements of the Entergy Quality Assurance Program Manual, as applicable. This activity does not change any commitments contained in the QAPM. Therefore, this activity does not require a change to the QAPM.

Emergency Plan:

This activity does not impact the interaction of Waterford Unit 3 personnel and offsite agencies in response to an emergency and does not change any of Entergy's policies or commitments to nuclear accident responses. ER-W3-2001-1149-000 will address the overall impact on the Emergency Plan, if any, related to the implementation of EPU.

Fire Protection Program and Fire Hazards Analysis:

This ER is a paper change only, which does not authorize any changes to plant equipment or procedures. Therefore, no changes to the Fire Protection Program or Fire Hazards Analysis are required.

Offsite Dose Calculations Manual:

The ODCM contains the methodology and parameters used in the calculation of offsite doses resulting from radioactive gaseous and liquid effluents. This activity does not impact radioactive gaseous or liquid effluents. Therefore, no changes to the ODCM is required.

Test or experiment not described in the FSAR:

This ER is a paper change only, which does not authorize any changes to plant equipment or procedures. Therefore, this activity does not involve a test or experiment that is not described in the FSAR.

4. References

Discuss the methodology for performing LBD searches. State the location of relevant licensing document information and explain the scope of the review such as electronic search criteria used (e.g., key words) or the general extent of manual searches per Section 5.4.1[5](d) of LI-101. **NOTE: Ensure that manual searches are performed using controlled copies of the documents. If you have any questions, contact your site Licensing department.**

LBDs/Documents reviewed via keyword search: Keywords:

For evaluation portion of this 50.59 Review, the LBDs in Section II.A.1 were searched with the listed key words. For the remainder of the 50.59 review a manual search was done of Chapter 15 of the FSAR. Due to the extensive changes made to Chapter 15, keyword searching was not feasible since nearly every section, table and figure was changed.

kw/ft, fuel melt, linear heat rate

LBDs/Documents reviewed manually:

FSAR Chapter 15, 7.2.1.1.1.3, 7.2.2.1.1

5. **Is the validity of this Review dependent on any other change?** (See Section 5.3.4 of the EOI 10 CFR 50.59 Program Review Guidelines.) Yes No

If "YES", list the required changes/submittals. The changes covered by this 50.59 Review cannot be implemented without approval of the other identified changes (e.g., license amendment request). Establish an appropriate notification mechanism to ensure this action is completed.

Validity of this review is also dependent on concurrent implementation of ER-W3-2001-1149-000, for which an action has been created in ERD. In addition, an action has been created in ERD for ER-W3-2001-1149-000 to review this ER against the EPU LAR SER (when issued by the NRC) to ensure that the ER and this 50.59 review remain in agreement with the approved SER.

LAR NPF-38-249 and its supplements (refer to ER-W3-2001-1149-015, Section 2.2.6) were issued requesting NRC approval for implementation of EPU at the Waterford 3 Steam Electric Station. This submittal encompasses the analyses completed, and methodology utilized in support of the EPU evaluations.

The changes to the FSAR incorporate information relevant to the analyses that support implementation of the EPU at Waterford as discussed in LAR NPF-38-249 (and supplements). Therefore, for these changes no evaluation pursuant to 10CFR50.59 is required. See attached tables of changes (Table 1, Table 2, and Table 3), with cross-reference to the PUR submittal and/or supplements for a basis for each change.

Discussion of the changes in computer codes and methodologies used for Chapter 15 reanalysis for the EPU are contained in Entergy letter W3FI -2003-0074 dated November 13, 2003 which contains the Waterford 3 EPU LAR. Attachment 6 of the letter contains Extended Power Uprate (EPU) report Appendix 1, "Safety Evaluation Report Compliance." This appendix contains the computer codes and methodologies used in ECCS performance analyses and for non-LOCA transient analyses and approved by an NRC issued SER. The Appendix 1 Introduction identifies the computer codes and methodologies that support the LOCA and non-LOCA transient analyses performed for the EPU. The tables and text of the Introduction identify the tables in Section 1 of the Appendix that contain the following information for each code and methodology:

- * The NRC Safety Evaluation Report (SER) that documents regulatory approval
- * The SER limitations and constraints
- * Statements indicating how each constraint or limitation is met

Therefore, changes in the methods of evaluation will be reviewed and approved by the NRC via the safety evaluation report (SER) for the WF3 EPU LAR.

Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
15.0	2.13.0 (Revised per Attach 5 to W3F1-2004-0096) 2.13.1.3.1.4 Table 2.13.1.1.3-1 Table 2.13.1.1.4-1 Table 2.13.3.2.1-1 Table 2.13.4.3.2-1	Transient Analyses	LTR-WFE-02-255 Rev 1 LTR-TAS-04-23, Rev 1 LTR-TAS-04-119, Rev 4	All Final Safety Analysis Report (FSAR) Chapter 15 analyses were evaluated to demonstrate acceptability at operation at 3716 MWt extended power uprate (EPU) conditions.	a. The text changes of 15.0 are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. b. Subsection 15.1.2.3, Increased Main Steam Flow with Loss-of-offsite Power (LOOP), was added to section 15.0.5, Radiological Consequences, under Infrequent Incidents, since it is accident for which radiological consequences were quantitatively analyzed. c. Section 15.0 References were revised to reflect revised analysis. d. Section 15.0 References, Reference 16 was revised to correct typo in the year of approval for Supplement 2-P-A, changed to 1998.	a. 50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval) b. Editorial change. c. FSAR Only Change per LI-113, Att. 9.6, Section A2.3. d. Editorial change.
15.1.1.1	2.13.1.1.1	Decrease in Feedwater Temperature	CN-TAS-02-33 Rev 1 LTR-TAS-04-27, Rev 1	No changes to FSAR Section 15.1.1.1. Bounded by FSAR Section 15.1.1.3.	No Changes	N/A
15.1.1.2	2.13.1.1.2	Increase in Feedwater Flow	CN-TAS-02-33 Rev 1 CN-TAS-02-96 Rev 0 LTR-TAS-04-27, Rev 1	No changes to FSAR Section 15.1.1.2. Bounded by FSAR Section 15.1.1.3.	No Changes	N/A
15.1.1.3	2.13.1.1.3 2.13.1.2.4	Increased Main Steam Flow	CN-TAS-02-96 Rev 0 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the increased main steam flow event re-analysis was to document the impact of the following changes: An increase in rated power A change to the CENTS code Application of a more negative MTC A reduction in CEA worth at trip	a. The text changes of 15.1.1.3 are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. b. Typo correction	a. 50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval) b. Editorial.

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				<p>Credit for the CPCS Variable Overpower Trip</p> <p>A decrease in the low steam generator pressure (LSGP) trip and MSiS setpoints</p> <p>The impact of the above changes results in no violation to the DNB SAFDLs.</p>		
15.1.1.4	2.13.1.1.4 Attachment 3 to W3F1-2003-0074 (Table B3/4.0-1)	Inadvertent Opening of a Steam Generator Atmospheric Dump Valve (ADV) (IOSGADV)	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	<p>The objective of the inadvertent opening of an SG Atmospheric Dump Valve (IOSGADV) re-analysis was to document the impact of:</p> <p>The change in plant parameters due to the increase in rated power from 3441 MWt to 3716 MWt</p> <p>Using CENTS instead of CESEC as the NSSS simulation code</p> <p>The change in the most negative MTC from $-4.0 \times 10^{-4} \Delta\rho/^{\circ}\text{F}$ to $-4.2 \times 10^{-4} \Delta\rho/^{\circ}\text{F}$</p> <p>The decrease in the most negative MTC has the potential to add more positive reactivity during the cooldown.</p> <p>The impact of the above changes results in no violation of the specified acceptable fuel design limits (SAFDL).</p>	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1.2.1	2.13.1.2.1	Decrease in Feedwater Temperature with Single Active Failure (SAF)	CN-TAS-03-18 Rev 1 LTR-TAS-04-27, Rev 1	<p>No changes to FSAR Section 15.1.2.1</p> <p>The fuel performance (DNBR and LHR) characteristics and dose for this event are bounded by the anticipated operational occurrence (AOO) w/LOAC event. The AOO w/LOAC event is assumed to use up all reserved DNBR margin prior to the LOAC portion of the event. Bounded by FSAR Section 15.1.2.3.</p>	No Changes	N/A
15.1.2.2	2.13.1.2.2	Increase in Feedwater Flow with a SAF	CN-TAS-03-18 Rev 1 LTR-TAS-04-27, Rev 1	<p>No changes to FSAR Section 15.1.2.2</p> <p>The fuel performance (DNBR and LHR) characteristics and dose for this event are bounded by the AOO w/LOAC event. The AOO w/LOAC event is assumed to use</p>	No Changes	N/A

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				up all reserved DNBR margin prior to the LOAC portion of the event. Bounded by FSAR Section 15.1.2.3.		
15.1.2.3	2.13.1.2.3 Table 2.13.0-2 2.13.1.1.4.5 2.13.1.1.4.6	Increased Main Steam Flow with Loss-of-offsite Power (LOOP)	CN-TAS-02-33 Rev 1 CN-TAS-02-96 Rev 0 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	The increased main steam flow with LOOP was examined to evaluate the impact of: Increase in RTP to 3716 MWt The use of CENTS rather than the COAST code to generate the RCS flow coastdown curves which are inputs to the one-dimensional (1-D) HERMITE model for fuel performance evaluation.	a. The majority of the changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. One change on page 15.1-17 (change in time to 121.1 seconds) was not in the equivalent PUR Section or Table, however, this entry is supported by the listed calculation (CN-TAS-02-33) which is the basis for the rest of the section, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1.2.4	2.13.1.2.4	IOSGADV with LOOP	CN-TAS-03-9 Rev 0 LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	The inadvertent opening of a SG ADV (IOADV) with LOOP was examined to evaluate the impact of: Increase in RTP to 3716 MWt The use of CENTS rather than the COAST code to generate the RCS flow coastdown curves that are inputs to the 1-D HERMITE model for fuel performance evaluation.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1.3.1	2.13.1.3.1 (Section 2.13.1.3.1 Revised per Attach 1 to W3F1-2004-0096)	Steam System Piping Failures Post-Trip Return to Power	CN-TAS-02-97 Rev 1 LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the main steam line break (MSLB) with or without a concurrent LOOP event analysis was to document the impact of: An increase in rated power to 3716 MWt A decrease in the LSGP trip and MSIS	a. The majority of the changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. See b & c below for those changes not explicitly	For items a and b, 50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval) applies. For item c., 50.59

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				actuation setpoints A reduction in CEA worth at trip Transition to the CENTS transient simulation code Change in most negative MTC from $-4.0 \times 10^{-4} \Delta\rho/^\circ\text{F}$ to $-4.2 \times 10^{-4} \Delta\rho/^\circ\text{F}$ The response for the power uprate is slightly more adverse than the current power level. A limited extent of SAFDL violation is seen to occur for the inside containment steam line breaks. This is discussed in revised PUR section 2.13.1.3.1, revised per Attach 1 to W3F1-2004-0096.	addressed in the EPU LAR. b. One change on page 15.1-23 (change in time to 16.6 seconds) was not in the equivalent PUR Section or Table, however, this entry is supported by the listed calculation (CN-TAS-02-97) which is the basis for the rest of the section, and therefore implicitly covered by the EPU LAR. c. The use of a peak linear heat rate of 24 kw/ft criteria for determining if fuel melt will occur was not explicitly discussed in the LAR PUR or its supplements. It is discussed in the Evaluation Section of this 50.59 Review	Evaluation Section IV applies.
15.1.3.2	2.13.1.3.2	Mode 3 and 4 All Rods In (ARI) Steam Line Break (SLB)	CN-TAS-03-18 Rev 1 Reference Attachment 1 to Letter W3F1-2004-0061 (RAI Q&R 15) LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	No changes to FSAR Section 15.1.3.2 The lower mode SLBs are not being reanalyzed. As the boiling point is unaffected by the power uprate or use of the CENTS code versus the CESEC code, the AOR for these events is judged to remain bounding. The increase in rated thermal power has not altered the two important driving parameters in the subcritical SLB analysis. It has not altered the temperature dependent SHUTDOWN MARGIN figure (applicable for subcritical conditions) in the plant COLR. The reactivity balance performed in the reload analysis process for the lower mode SLB analysis assumes, due to the reduced initial primary system temperatures in the lower modes, that the minimum RCS temperatures reach 212°F. This assumption would still be bounding.	Only editorial changes to this section (i.e., changes to Table and Figures numbers).	Editorial

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				Therefore, the results as currently reported in the FSAR remain valid.		
15.1.3.3	2.13.1.3.3 (Sections 2.13.1.3.3.2 & 2.13.1.3.3.5 Revised per Attach 6 to W3F1-2004-0096 and Section 2.13.1.3.3.6 Revised per Attach 5 to W3F1-2004-0096)	Steam System Piping Failures Pre-Trip Power Excursion	CN-TAS-03-23 Rev 1 LTR-TAS-04-27, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the pre-trip SLB analysis was to document the impact of the following changes: The increase in rated power to 3716 MWt Using the CENTS code rather than the CESEC code as the NSSS simulation tool Change in most negative MTC from $-4.0 \times 10^{-4} \Delta p / ^\circ F$ to $-4.2 \times 10^{-4} \Delta p / ^\circ F$	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.1.1	2.13.2.1.1	Loss of External Load	CN-TAS-02-76 Rev 0 (NOTE: CN-TAS-02-76 was performed to confirm that the Loss of Load Event was less limiting than the LOCV. Consistent with the current FSAR, only the LOCV was reported.) LTR-TAS-04-30, Rev 1	No changes to FSAR Section 15.2.1.1 Bounded by Loss of Condenser Vacuum (LOCV), FSAR Section 15.2.1.3.	No Changes	N/A
15.2.1.2	2.13.2.1.2	Turbine Trip	CN-TAS-03-18 Rev 1 LTR-TAS-04-30, Rev 1	No changes to FSAR Section 15.2.1.2 This event is no more adverse than the Loss of Condenser Vacuum Event (UFSAR 15.2.1.3). From a fuel performance (DNBR and LHR) standpoint, each event represents a total loss of load.	One typographical correction.	Editorial
15.2.1.3	2.13.2.1.3 Table 1-1	Loss of Condenser Vacuum (LOCV)	CN-TAS-02-53 Rev 1 W3F1-2004-0061 (Supplemental information on the peak secondary pressure case) LTR-TAS-04-30, Rev 1 LTR-TAS-04-119, Rev 4	The objective of LOCV event analysis was to document the impact of the following changes on the LOCV: Utilizing CENTS rather than CESEC as the NSSS simulation tool The increase in rated power to 3716 MWt The reduction in the RCS temperature	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
15.2.1.4	2.13.2.1.4 (Section 2.13.2.1.4 Revised per Attach 5 to W3F1-2004-0096)	LOOP	CN-TAS-03-18 Rev 1 LTR-TAS-04-30, Rev 1 LTR-TAS-04-119, Rev 4	The fuel performance (DNBR and LHR) consequences of this event are no more adverse than the total loss of forced reactor coolant flow event (UFSAR 15.3.2.1), an infrequent event. The peak pressure consequences of this event are no more adverse than the loss of condenser vacuum event, a moderate frequency event (UFSAR 15.2.1.3).	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.1.5	2.13.2.1.5	Steam Pressure Regulator Failure	CN-TAS-03-18 Rev 1 LTR-TAS-04-119, Rev 4	No changes to FSAR Section 15.2.1.5 The failure of the steam pressure regulator would result in closing the turbine throttle valves. This transient is no more adverse than a loss of condenser vacuum (UFSAR Section 15.2.1.3), where the maximum rate of throttle valve closure is assumed.	No Changes	N/A
15.2.2.1	2.13.2.2.1	Loss of External Load with SAF	CN-TAS-02-76 Rev 0 (NOTE: CN-TAS-02-76 was performed to confirm that the Loss of Load Event was less limiting than the LOCV. Consistent with the current FSAR, only the LOCV is being reported.) CN-TAS-03-18 Rev 1 LTR-TAS-04-119, Rev 4	FSAR Section 15.2.2.1 revised to reflect FSAR Section 15.2.1.3 as the bounding event per PUR 2.13.2.1.3. Loss of load with single failure (UFSAR Section 15.2.2.1) is no more adverse than the loss of condenser vacuum event (UFSAR 15.2.1.3). Both of these events involve a sudden reduction in the removal of heat from the reactor coolant system. The loss of condenser vacuum has the more severe initiator in that both steam flow and feedwater flow are terminated by the initiator. Additionally, as an infrequent event is pointing at the more restrictive moderate frequency event, the application of the potentially more restrictive acceptance criteria to the less frequent event would be conservative.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.2.2	2.13.2.2.2	Turbine Trip with SAF	CN-TAS-03-18 Rev 1 LTR-TAS-04-119, Rev 4	FSAR Section 15.2.2.2 revised to reflect FSAR Section 15.2.1.3 as the bounding event per PUR 2.13.2.1.3. This event is no more adverse than the Loss of Condenser Vacuum Event (FSAR	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				15.2.2.3). From a fuel performance (DNBR and LHR) standpoint, each event represents a total loss of load with a four pump flow coastdown.		
15.2.2.3	2.13.2.2.3	LOCV with Concurrent Single Failure	CN-TAS-02-53 Rev 1 LTR-TAS-04-119, Rev 4	Discussion in FSAR Section 15.2.2.3 was deleted since it was bounded by FSAR Section 15.2.1.3, Loss of Condenser Vacuum with no SAF.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.2.4	2.13.2.2.4	Loss-of-Normal AC Power with SAF	CN-TAS-03-18 Rev 1 LTR-TAS-04-30, Rev 1 LTR-TAS-04-119, Rev 4	FSAR Section 15.2.2.4 was revised to state that the consequences are bounded by Section 15.3.2.1. Any credible single failure of an active component concurrent with a loss of all normal AC power produces consequences less severe than those following a single reactor coolant pump shaft seizure (UFSAR 15.3.3.1).	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.2.5	2.13.2.2.5	Loss-of-Normal Feedwater Flow	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the loss-of-normal feedwater flow analysis was to document the impact of the following changes: An increase in rated power A change to the CENTS code Reduction in steam generator pressure A reduction in CEA worth at trip The impact of the power uprate results in no violation of SG heat removal capability for this Safety Analysis Report (SAR) event.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.3.1	2.13.2.3.1 (Supplemental information in Attach 3 to W3F1-2004-0096)	Feedwater System Pipe Breaks	CN-TAS-02-30 Rev 0 LTR-TAS-04-30, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the feedwater line break event analysis was to document the impact of the following changes: An increase in rated power Use of the CENTS code in place of CESEC	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2.3.2	2.13.2.3.2 (Supplemental information in	Loss-of-Normal Feedwater Flow with SAF In the	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The objective of loss-of-normal feedwater flow with an active failure in the Steam Bypass Control System (SBCS) analysis	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the	50.59 Review Form Section II.A.5 (i.e.,

Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
	Attach 2 to W3F1-2004-0096)	Steam Bypass Control System	LTR-TAS-04-119, Rev 4	was to document the impact the following changes: An increase in rated thermal power to 3716 MWt A change to the CENTS code Application of a more negative MTC A decrease in the main steam isolation signal (MSIS) setpoints A reduction in SG pressure The impact of the power uprate results in no violation of steam generator heat removal capability for this SAR event.	Supporting EPU PUR Section(s) column of this table.	dependent on LAR approval)
15.3.1.1	2.13.3.1.1	Partial Loss of Forced Reactor Coolant Flow	CN-TAS-03-18 Rev 1 LTR-TAS-04-119, Rev 4	This class of events is protected against by the CPC pump speed trip. The consequences of this event are no more adverse than the total loss of forced reactor coolant flow event (UFSAR 15.3.2.1), an infrequent event which results in a further reduced flow versus time than the partial loss of forced reactor coolant flow. FSAR Section 15.3.1.1 bounded by FSAR Section 15.3.2.1, however, section revised to reflect overall new Chapter 15 analysis consistent with PUR.	The change on page 15.3-1 (Insert 15.3.A) was not in the equivalent PUR Section, however, this entry is supported by the listed calculation (CN-TAS-03-18) which was performed to support this section and the PUR, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3.2.1	2.13.3.2.1	Total Loss of Forced Reactor Coolant Flow	CN-TAS-02-98 Rev 0 LTR-TAS-04-119, Rev 4	The total loss of forced reactor coolant flow was analyzed for power uprate to evaluate the impact of the following changes: The increase in rated thermal power to 3716 MWt The decrease in core inlet temperature to 533°F The use of the CENTS code rather than the COAST code to generate the flow coastdown curves that are input into the 1-D HERMITE model for the fuel failure evaluation	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
15.3.2.2	2.13.3.2.2	Partial Loss of Forced Reactor Coolant Flow with SAF	CN-TAS-03-18 Rev 1 LTR-TAS-04-21, Rev 1	No changes to FSAR Section 15.3.2.2 It is not possible to identify any credible single failure of an active component which would affect the DNBR during the first few seconds of the transient (the most limiting time period) and cause the partial loss of forced reactor coolant flow to produce consequences more severe than those following a single reactor coolant pump shaft seizure (FSAR 15.3.3.1).	No changes.	N/A
15.3.3.1	2.13.3.3.1 Attachment 3 to W3F1-2003-0074 (Table B3/4.0-1) Additionally Letter W3F1-2004-0071, Attachment 1 Section 4.1.1	Single Reactor Coolant Pump(RCP) Shaft Seizure/Sheared Shaft	CN-TAS-03-10 Rev 0 LTR-TAS-04-119, Rev 4	The total loss of forced reactor coolant flow was analyzed for power uprate to evaluate the impact of the following changes: The increase in rated thermal power to 3716 MWt The decrease in core inlet temperature to 533°F The use of the CENTS code rather than the COAST code to generate to flow coastdown curves which are input into the 1-D HERMITE model for fuel failure evaluation	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. Additionally, Letter W3F1-2004-0071, Attachment 1 Section 4.1.1, Supplement to Alternate Source Term Submittal, is the basis for the statement on page 15.3-7 that states: "...no more than 15.0 percent of the fuel rods will experience DNB."	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4.1.1	2.13.4.1.1	Uncontrolled Control Element Assembly (CEA) Withdrawal from Subcritical	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the uncontrolled CEA withdrawal (CEAW) from subcritical conditions analysis was to document the impact of the following changes: The increase in rated power from 3441 MWt to 3716 MWt, The use of the CENTS code instead of the CESEC code, Starting at 10% subcritical. The impact of the above changes results in no violation of the specified acceptable fuel design limits (SAFDLs).	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4.1.2	2.13.4.1.2 Table 2.13.0-2	Uncontrolled CEA Withdrawal from	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The objective of the uncontrolled CEA bank withdrawal from critical condition	a. The majority of the changes are covered by the EPU LAR and	50.59 Review Form Section

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
		Low Power	LTR-TAS-04-119, Rev 4	<p>event analysis was to document the impact of the following changes:</p> <p>The increase in rated power from 3441 MWt to 3716 MWt</p> <p>The use of the CENTS code instead of the CESEC code</p> <p>The impact of the above changes results in no violation of the SAFDLs.</p>	<p>specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. See b below for those changes not explicitly addressed in the EPU LAR.</p> <p>b. The change on page 15.4-6 (Insert 15.4.B) was not in the equivalent PUR Section, however, this entry is supported by the listed calculation (CN-TAS-02-70) which was performed to support this section and the PUR, and therefore implicitly covered by the EPU LAR.</p>	II.A.5 (i.e., dependent on LAR approval)
15.4.1.3	2.13.4.1.3	Uncontrolled CEA Withdrawal at Power	<p>CN-TAS-02-70 Rev 1</p> <p>CN-TAS-02-95 Rev 0</p> <p>LTR-TAS-04-28, Rev 1</p> <p>LTR-TAS-04-119, Rev 4</p>	<p>The objective of Uncontrolled CEAW at power event analysis was to document the impact the following changes:</p> <p>An increase in rated thermal power to 3716 MWt</p> <p>A change from the CESEC to the CENTS code as the primary NSSS simulation tool</p> <p>A reduction in steam generator pressure</p> <p>A reduction in CEA worth at trip</p> <p>The impact of the power uprate results in no violation of the SAFDLs for this SAR event.</p>	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4.1.4	2.13.4.1.4	CEA Misoperation	<p>CN-TAS-02-92 Rev 0</p> <p>CN-TAS-03-69 Rev 0</p> <p>LTR-TAS-04-28, Rev 1</p> <p>LTR-TAS-04-119, Rev 4</p>	<p>The purpose of this analysis was to demonstrate that the full-length CEA drop event does not violate the DNBR and LHR SAFDLs for Waterford 3 with power uprate at 3716 MWt</p>	<p>a. The majority of the changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table. See b below for those changes not explicitly addressed in the EPU LAR.</p> <p>b. The changes on page 15.4-12 (18% radial peak to average</p>	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
					power density at 100% and 45% radial peak to average power density at 70%) were not in the equivalent PUR Section, however, this entries are supported by the listed calculation (CN-TAS-03-69) which was performed to support this section and the PUR, and therefore implicitly covered by the EPU LAR.	
15.4.1.5	2.13.4.1.5	Inadvertent Boron Dilution	CN-TAS-03-59 Rev 0 Reference Attachment 1 to Letter W3F1-2004-0061 (RAI Q&R 15) LTR-TAS-04-28, Rev 1 LTR-TAS-04-119, Rev 4	No non-editorial changes to FSAR Section 15.4.1.5. The inadvertent boron dilution analysis is performed to provide values for the Boron Dilution Alarm and, when the alarm is inoperable, required boron measurement surveillance frequencies in the COLR, which ensure that adequate time remains for the operators to take corrective action. The existing analysis has identified combinations of Inverse Boron Worth (IBWs) and Critical Boron Concentrations (CBCs) which support the current setpoints and surveillance frequencies. The reload process checks actual core designs against these combinations for verification of the setpoints. As the increase in rated thermal power has not affected the RCS volume or the charging pump capacity, the existing analysis remains valid.	Only editorial changes to this section (i.e., change to a table number).	Editorial
15.4.1.6	2.13.4.1.6	Startup of an Inactive RCP Modes 3, 4 or 5 with all CEAs on the Bottom	CN-TAS-03-18 Rev 1 Reference Attachment 1 to Letter W3F1-2004-0061 LTR-TAS-04-28, Rev 1 LTR-TAS-04-119, Rev 4	No non-editorial changes to FSAR Section 15.4.1.6 With less than 4 RCPs running the core is subcritical. The maximum temperature differentials between the steam generator and the primary system for which an inactive reactor coolant pump may be	Only editorial changes to this section (i.e., deletion of reference to specific cycle analysis).	Editorial

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				started are unchanged due to the increase in rated thermal power. Hence the existing discussion in the FSAR remains valid.		
15.4.1.7	2.13.4.1.7	CEAW Modes 3, 4, and 5 ARI	CN-TAS-03-18 Rev 1 Reference Attachment 1 to Letter W3F1-2004-0061 LTR-TAS-04-28, Rev 1	No changes to FSAR Section 15.4.1.7 As discussed in FSAR Section 15.4.1.7, the withdrawal of a CEA adds reactivity to the reactor core causing the core power level to increase, as well as a time dependent redistribution of core power. The CPCs generate a reactor trip when the CPC bypass is automatically removed at 2.4×10^{-4} % of rated thermal power. This trip causes the shutdown of the reactor prior to the point of adding sensible heat. The CPC bypass is unaffected by power uprate, thus the FSAR discussion remains valid. Therefore, this event is bounded by current FSAR Section 15.4.1.7.	No changes.	N/A
15.4.3.1	2.13.4.3.1	Inadvertent Loading of a Fuel Assembly into an Improper Position	CN-WFE-CWTR3-03-4 CN-WFE-CWTR3-03-6 LTR-TAS-04-28, Rev 1 LTR-TAS-04-119, Rev 4	FSAR Section 15.4.3.1 was already revised in Revision 13 of the FSAR, however, some editorial changes (e.g., table and figure number changes) were made to be consistent with balance of Chapter 15 changes.	FSAR Section 15.4.3.1 was already revised in Revision 13 of the FSAR, however, some editorial changes (e.g., table and figure number changes) were made to be consistent with balance of Chapter 15 changes.	Editorial
15.4.3.2	2.13.4.3.2	CEA Ejection	CN-TAS-03-8 Rev 1 LTR-TAS-04-28, Rev 1 LTR-TAS-04-119, Rev 4	The objective of the control element assembly (CEA) ejection event analysis was to document the impact of the following changes: The increase in rated power to 3716 MWt Changes in ejected CEA worth reflecting the uprate core designs Switch from CESEC to CENTS to evaluate the peak pressure response of the NSSS	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.5.1.1	2.13.5.1.1	Chemical and	CN-TAS-03-18 Rev 1	FSAR Section 15.5.1.1 was revised to	The changes are covered by the	50.59 Review

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
		Volume Control System (CVCS) Malfunction	CN-TAS-03-10, Rev. 0 Reference Attachment 1 to Letter W3F1-2004-0061 LTR-TAS-04-119, Rev 4	<p>indicate that the section was not revised for power uprate and that the underlying conclusion for acceptability are not affected.</p> <p>The following statement was added to Section 15.5.1.1: The Chemical and Volume Control System Malfunction was not revised for power uprate. Although the timing of event will be slightly different for power uprate, the underlying conclusions of acceptability are not affected.</p> <p>The FSAR presentation for this event assumes that the core is initially at full power. The analysis accounts for a reduction in charging flow temperature due to the imbalance of charging and letdown. Power increases minimally due to the resulting cooldown. The results of the AOR would be insensitive to the MTC used ($-3.5 \times 10^{-4} \Delta\rho/^\circ\text{F}$ value was used as compared to the power uprate limit of $-4.2 \times 10^{-4} \Delta\rho/^\circ\text{F}$). The transient result would not be significantly affected by the 3716 MWth power uprate. The results should be insensitive to the high pressurizer pressure trip setpoint because trip occurs shortly after the system goes water solid. The sequence of events and results will remain applicable for the power uprate so long as the 44 gpm per pump charging flow and 29 gpm letdown flow used are preserved. The event timing documented in the FSAR was based on a maximum pressurizer spray flow of 375 gpm and would be insignificantly affected by an increase in pressurizer spray flow because full flow was not achieved. The analysis remains valid for up to 1000 plugged steam generator tubes.</p>	EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				Additionally, a change to Tables 15.5-1 and 15.5-2 to reflect that the analysis was not revised for power uprate.		
15.5.1.2	2.13.5.1.2	Inadvertent Emergency Core Cooling Actuation	CN-TAS-03-18 Rev 1 Reference Attachment 1 to Letter W3F1-2004-0061 LTR-TAS-04-119, Rev 4	No changes to FSAR Section 15.5.1.2 This event is no more adverse than the CVCS malfunction, UFSAR Section 15.5.1.1. The CVCS malfunction includes a coolant addition equal to or greater than the inadvertent operation of the ECCS. There is no change to the safety injection system as a result of the increase in rated thermal power. The FSAR discusses how the cutoff pressure of the safety injection system is below operating system pressures. Therefore the safety injection system would be incapable of actually discharging to the RCS even if an inadvertent actuation were to occur. This assessment remains valid at the uprated conditions.	No changes	N/A
15.5.2.1	2.13.5.2.1	CVCS Malfunction with SAF	CN-TAS-03-18 Rev 1 Reference Attachment 1 to Letter W3F1-2004-0061 LTR-TAS-04-119, Rev 4	No changes to FSAR Section 15.5.2.1. The UFSAR presentation for this event assumes that the core is initially at full power. The historical analysis accounts for a reduction in charging flow temperature due to the imbalance of charging and letdown, including the possibility of letdown flow isolation. Power increases minimally due to the resulting cooldown. The results of the AOR would be insensitive to the MTC used because a highly negative $-3.5 \times 10^{-4} \Delta p/^\circ\text{F}$ value was used (as compared to the power uprate limit of $-4.2 \times 10^{-4} \Delta p/^\circ\text{F}$). The transient results are not significantly affected by the 3716 MWth power uprate. The results are insensitive to the high pressurizer pressure trip setpoint because trip occurs shortly after the system goes solid. The sequence of	No changes	N/A

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				<p>events and results will remain applicable for power uprate as long as the 44 gpm per pump charging flow and 29 gpm letdown flow used are preserved.</p> <p>Note that the event timing documented in the UFSAR was based on a maximum pressurizer spray flow of 375 gpm and would be insignificantly affected by an increase in pressurizer spray flow because full flow was not achieved.</p> <p>The FSAR discussion of this event is focused upon how long it would take for the pressurizer to fill due to the inadvertent actuation of additional charging pump capacity. The power uprate project changed neither charging pump capacity nor the permissible levels in which the pressurizer must be maintained. Therefore the analysis in the FSAR is not affected by the power uprate.</p>		
15.6.3.1	2.13.6.3.1	Small Primary Line Break Outside Containment	CN-TAS-02-41 Rev 0 LTR-TAS-04-22, Rev 2 LTR-TAS-04-119, Rev 4	<p>The objective of the letdown line break outside of containment (OC) event analysis was to document the impact of the following changes:</p> <ul style="list-style-type: none"> An increase in rated power from 3441 MWt to 3716 MWt, A change to the CENTS code, and An application of a more negative MTC. <p>The impact of the above changes results in an increase in the exclusion area boundary (EAB) and low population zone (LPZ) radiological doses. However, radiological consequences is not within the scope of this ER; ER-W3-2004-0276-000 evaluates the radiological consequences scope of Chapter 15.</p>	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6.3.2	2.13.6.3.2	Steam Generator	CN-TAS-03-15 Rev 1	The objective of the steam generator tube	FSAR Section 15.6.3.2 evaluated	50.59 Review

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
	(Revised per Attach 4 to W3F1-2004-0096)	Tube Rupture (SGTR)	LTR-TAS-04-22, Rev 2 LTR-TAS-04-119, Rev 4	<p>rupture (SGTR) with loss-of-offsite power (LOOP) analysis was to document the impact of the following changes:</p> <ul style="list-style-type: none"> Change from CESEC to CENTS as the primary simulation tool A decrease in secondary system pressures due to the uprate Associated lowering of the MSIS setpoint <p>The impact of the EPU resulted in no violation of maximum RCS and SG pressure limits for the SAR events.</p>	<p>two scenarios of Steam Generator Tube Rupture (SGTR) and presented the results in three cases:</p> <ul style="list-style-type: none"> a. SGTR (without a concurrent Loss of Offsite Power), Subsection 15.6.3.2.1 b. SGTR analysis with concurrent Loss of Offsite Power: DNBR Performance Case, Subsection 15.6.3.2.2 c. SGTR with a Concurrent Loss of Offsite Power: Radiological Consequences Case, Subsection 15.6.3.2.3. <p>It was determined that the SGTR with a concurrent loss of offsite power was the limiting scenario for radiological consequences, therefore, only the SGTR with concurrent loss of offsite power was re-analyzed. As a result the scenario without a concurrent loss of offsite power was deleted and the separate DNBR performance case was deleted. The third case was renamed SGTR with a Concurrent Loss of Offsite Power and renumbered as 15.6.3.2.</p> <p>The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.</p>	Form Section II.A.5 (i.e., dependent on LAR approval)
15.6.3.3	2.13.6.3.3	LOCA Radiological Consequences	N/A	Dose Scope, not within the scope of this ER.	Reference ER-W3-2004-0276-000	N/A
15.6.3.3.3.1	2.12.3 (LOCA SCOPE)	Large Break LOCA	CN-OA-02-58 Rev 0 LTR-OA-04-77 Rev 2	An Emergency Core Cooling System (ECCS) performance analysis demonstrated conformance to the ECCS	The changes in this section are either explicitly covered by the EPU LAR (specifically the sections	50.59 Review Form Section II.A.5 (i.e.,

Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				acceptance criteria for light water nuclear power reactors, 10CFR50.46, for Waterford 3 at the power uprate rated core power of 3716 MWt (3735 MWt including a 0.5% power measurement uncertainty). Analyses were performed for a spectrum of large-break loss-of-coolant accidents (LOCAs). FSAR Section 15.6.3.3.1 describe the ECCS performance analysis for Waterford 3.	and/or tables listed in the Supporting EPU PUR Section(s) column of this table) or by the listed calculation (CN-TAS-02-58) which was performed to support this section and the PUR, and therefore implicitly covered by the EPU LAR. Additionally, there are various editorial changes in this section such as deletion to specific cycle evaluations, changing of references from Combustion Engineering to Westinghouse, spelling out CE as Combustion Engineering, etc.	dependent on LAR approval) and editorial.
15.6.3.3.2	W3F1-2004-0052 Attach 5, Section 2.12.4 (LOCA SCOPE)	Small Break LOCA	CN-OA-04-20 Rev 0 LTR-OA-04-77 Rev 2	An Emergency Core Cooling System (ECCS) performance analysis demonstrated conformance to the ECCS acceptance criteria for light water nuclear power reactors, 10CFR50.46, for Waterford 3 at the power uprate rated core power of 3716 MWt (3735 MWt including a 0.5% power measurement uncertainty). Analyses were performed for a spectrum of small-break loss-of-coolant accidents (LOCAs). FSAR Section 15.6.3.3.2 describes the ECCS performance analysis for Waterford 3.	The changes in this section are covered by the EPU LAR (specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table). Additionally, there are various editorial changes in this section such as changing of references from Combustion Engineering to Westinghouse, differentiating Combustion Engineering scope of analysis, renumbering table and figure numbers, correcting typo (i.e., changing 6.3.3.1 to 6.3.3.1 on page 15.6-23)etc.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval) and editorial.
15.6.3.4	2.13.6.3.4 and 2.12.6 (LOCA SCOPE)	Pressurizer Safety Valve Lift	LTR-OA-03-54, Rev. 1 LTR-OA-04-77 Rev 2	No technical change to 15.6.3.4 (not limiting location for LOCA). The primary conclusion of the FSAR analysis is that the inadvertent opening of a pressurizer safety valve LOCA is bounded by a SBLOCA in the pump discharge leg. This FSAR analysis conclusion is independent of core power level.	The changes in this section are covered by the EPU LAR (specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table).	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval) and editorial.

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Table 1 Affected FSAR Sections						
FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
				Section 15.6.3.4 was revised to indicate that the analysis was evaluated for EPU impact but was not reanalyzed.		
15.7.3.4	2.13.7.3.4	Fuel-Handling Accident (FHA)	N/A / LTR-RCPL-04-32, Rev 0	No changes to FSAR Section 15.7.3.4	No changes	N/A
15.7.3.5	2.13.7.3.5	Spent Fuel Cask Drop Accidents	N/A / LTR-RCPL-04-32, Rev 0	No changes to FSAR Section 15.7.3.5	No changes	N/A
15.8	2.13.8	ATWS	N/A / LTR-RCPL-04-32, Rev 0	No changes to FSAR Section 15.8	No changes	N/A
15.9.1.1	2.13.9.1.1	Asymmetric Steam Generator	CN-TAS-02-78 Rev 0 LTR-RCPL-04-32, Rev 0 LTR-TAS-04-119, Rev 4	The objective of the asymmetric steam generator transient (ASGT) analysis was to demonstrate that the ASGT event does not violate the DNBR and LHR SAFDLs for Waterford 3 with power uprate at 3716 MWt. The analysis was performed for the power uprate to evaluate the impact of: Change in most negative moderator temperature coefficient (MTC) from $-4.0 \times 10^{-4} \Delta p / ^\circ F$ to $-4.2 \times 10^{-4} \Delta p / ^\circ F$ Use of CENTS rather than CESEC Increase in rated thermal power A decrease in the CPC differential cold leg temperature trip setpoint from 18°F to 11°F.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
Appendix A	N/A	Supplemental Information for Chapter 15 in Response to Waterford 3 (NUREG-0787) Open Items 8 through 11	N/A	Historical Information, no changes required.	N/A	N/A
Appendix B	N/A	Containment Leakage and Dose Calculation Models	N/A	This appendix is Dose related and not within scope of this ER. Reference ER-W3-2004-0276-000	N/A	N/A

FSAR Section	Supporting EPU PUR Section(s) ¹	Event	Supporting Calculation(s) / Document(s)	Remarks	Nature of Changes Made to the FSAR	50.59 Review Category
Appendix C	N/A	Supplemental Information for Chapter 15 in Response to Waterford 3 (NUREG-0787) Supplement No. 1 Confirmatory Items 15.3.1 and 15.3.2	N/A	This appendix is deleted. The subject is encompassed by the information contained in sections 15.1.3.1 and 15.1.3.3 for Main Steam Line Break.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
Appendix D	N/A	Supplemental Cycle Specific Event Analyses	N/A	This appendix deleted. Cycle specific information has been replaced by EPU generated analysis and documented in appropriate FSAR Chapter 15 Sections.	The changes are covered by the EPU LAR and specifically the sections and/or tables listed in the Supporting EPU PUR Section(s) column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

Notes: 1. Attachment 5 to Letter W3F1-2003-0074, Waterford 3 Extended Power Uprate Report, unless otherwise noted.

Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.0- 1	No Change	N/A	No Change	N/A
15.0- 2	No Change	N/A	No Change	N/A
15.0- 3	2.13.0-3	LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.0- 4	2.13.0-2	EC-S03-001 (DRN 03-1190) LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for a change not explicitly addressed in the EPU LAR. b. The entry of 1.65 for Radial 1-pin peaking factor, F_R (with uncertainty) in the Table was not in the equivalent PUR Table, however, this entry is supported by the listed calculation (Groundrules Calculation) which states: "For Power Uprate, a 1.65 maximum radial peaking factor will be	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			assumed; this is the specified maximum radial peaking factor assumed in radiological analyses. More restrictive assumptions on radial peaking may be included in Westinghouse calculations (e.g., Fuel Management Guidelines) and are tracked as part of the PAC Assessment process." The values reported in the PUR are more conservative than 1.65 which is consistent with the groundrules, and therefore implicitly covered by the EPU LAR.	
15.1- 1	2.13.1.1.3-2	CN-TAS-02-96 Rev 0 Table 7.3.1.1.3-2 LTR-TAS-04-119, Rev 4	<p>a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR.</p> <p>b. Several entries (times 27.4, 160.5, 179.1, 257.0, 350.2, 1000.0 seconds) in the Table were not in the equivalent PUR Table, however, these entries are supported by the listed calculation which is the basis for the rest of the table, and therefore implicitly covered by the EPU LAR.</p>	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 2	2.13.1.1.3-1	CN-TAS-02-96 Rev 0 Table 7.3.1.1.3-1 LTR-TAS-04-119, Rev 4	<p>a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR.</p> <p>b. One entry (reactor regulating system) in the Table was not in the equivalent PUR Table, however, this entry is supported by the listed calculation which is the basis for the rest of the table, and therefore implicitly covered by the EPU LAR.</p>	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 3	2.13.1.1.4-2	CN-TAS-02-87 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 4	2.13.1.1.4-1	CN-TAS-02-87 Rev 1 LTR-TAS-04-119, Rev 4	<p>a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR.</p> <p>b. One entry (total nuclear heat flux factor) in the Table was not in the equivalent PUR Table.</p>	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2				
Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			however, this entry is supported by the listed calculation which is basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	
15.1- 5	Dose Scope	Dose Scope	Reference ER-W3-2004-0276-000	N/A
15.1- 6	Dose Scope	Dose Scope	Reference ER-W3-2004-0276-000	N/A
15.1- 7	Dose Scope	Dose Scope	Reference ER-W3-2004-0276-000	N/A
15.1- 8	2.13.1.2.3-3	CN-TAS-02-33 Rev 1 Table 7.3.1.2.3-3 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. One entry (steam generator safety valves open) in the Table was not in the equivalent PUR Table, however, this entry is supported by the listed calculation which is basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 8a	Deleted	LTR-TAS-04-119, Rev 4	Table was deleted in the new analysis	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 9	2.13.1.2.3-2	CN-TAS-02-33 Rev 1 Table 7.3.1.2.3-2 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. One entry (steam generator safety valves open) in the Table was not in the equivalent PUR Table, however, this entry is supported by the listed calculation which is basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 9A	Was 15.1-9, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 10	2.13.1.2.3-1	CN-TAS-02-33 Rev 1 Table 7.3.1.2.3-1 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. Two entries (initial SG water level, FTC) in Table were not in equivalent PUR Table, however, these entries are supported by the listed calculation which is the basis for the rest of the table, and	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			therefore implicitly covered by the EPU LAR.	
15.1- 10A	Was 15.1-10, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 11	2.13.1.2.4-3	CN-TAS-03-9 Rev 0 Table 7.3.1.2.4-3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 11A	Was 15.1-11, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 12	2.13.1.2.4-1	CN-TAS-03-9 Rev 0 Table 7.3.1.2.4-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 13	2.13.1.3.1-5 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-5 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 14	2.13.1.3.1-6 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-6 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 14A	Was 15.1-14, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 15	2.13.1.3.1-7 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-7 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 16	2.13.1.3.1-8 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-8 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 17	2.13.1.3.1-1 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 17A	Was 15.1-17, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 18	2.13.1.3.1-2 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-2 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 18A	Was 15.1-18, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.1- 19	2.13.1.3.1-3 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 19A	Was 15.1-19, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 20	2.13.1.3.1-4 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Table 2.13.1.3.1-4 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 20A	Was 15.1-20, Editorial Change	This table is Dose related and not within scope of this ER.	Only editorial changes to this table (i.e., change to a table number). Reference ER-W3-2004-0276-000	Editorial
15.1- 21	Existing FSAR Table 15.1-21	N/A	No changes	N/A
15.1- 22	Existing FSAR Table 15.1-22	LTR-TAS-04-119, Rev 4	The event for which this table supports is not affected by EPU and hence was not reanalyzed. The table was revised to reflect this and to add clarifying statements in a footnote. Therefore it is implicitly covered by the EPU LAR	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 23	2.13.1.3.3-3 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 24	2.13.1.3.3-4	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 25	Existing FSAR Table 15.1-23, No Change	N/A	No technical changes (formatting corrections only)	Editorial
15.1- 26	2.13.1.3.3-1 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 27	2.13.1.3.3-2	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 1	2.13.2.1.3-2	CN-TAS-02-53 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 2	2.13.2.1.3-1	CN-TAS-02-53 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			PUR Table column of this table.	
15.2- 3	2.13.2.2.5-2	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 4	2.13.2.2.5-1	CN-TAS-03-3 Rev 1 (LTR-TAS-04-119, Rev 4)	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 4a	Deleted	LTR-TAS-04-119, Rev 4	Table was deleted in the new analysis	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 5	2.13.2.3.1-2 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-30 Rev 0 Table D-2 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 6	2.13.2.3.1-1	CN-TAS-02-30 Rev 0 Table D-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 7	2.13.2.3.1-4 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-30 Rev 0 Table D-4 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 8	2.13.2.3.1-3 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-30 Rev 0 Table D-3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 9	2.13.2.3.2-2	CN-TAS-03-3 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 9a	Deleted	LTR-TAS-04-119, Rev 4	Table was deleted in the new analysis	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 9b	Deleted	LTR-TAS-04-119, Rev 4	Table was deleted in the new analysis	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 10	2.13.2.3.2-1	CN-TAS-03-3 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 1	2.13.3.2.1-2 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-98 Rev 0 Table 7.3.3.2.1-2 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 2	2.13.3.2.1-1	CN-TAS-02-98 Rev 0 Table 7.3.3.2.1-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			PUR Table column of this table.	
15.3- 3	2.13.3.3.1-2	CN-TAS-03-10 Rev 0 Table 7.3.3.3-2 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 4	2.13.3.3.1-1 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-10 Rev 0 Table 7.3.3.3-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 4a	Deleted	LTR-TAS-04-119, Rev 4	Table was deleted in the new analysis	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 4b	Previously Deleted	N/A	N/A	N/A
15.3- 5	Previously Deleted	N/A	N/A	N/A
15.3- 5a	Previously Deleted	N/A	N/A	N/A
15.3- 6	Previously Deleted	N/A	N/A	N/A
15.3- 7	Deleted, Replaced by new Table 15.3-4	LTR-TAS-04-119, Rev 4	Table was replaced by Table 15.3-4 in the new analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 1	2.13.4.1.1-2	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 2	2.13.4.1.1-1	CN-TAS-02-70 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 3	2.13.4.1.2-2	CN-TAS-02-70 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 4	2.13.4.1.2-1	CN-TAS-02-70 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 5	2.13.4.1.3-2	CN-TAS-02-95 Rev 0 Table 7.3.4.1.3-2 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 6	2.13.4.1.3-1	CN-TAS-02-95 Rev 0 Table 7.3.4.1.3-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 7	2.13.4.1.4-1 (Revised per Attach 5)	CN-TAS-02-92 Rev 0 App D Table D-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	to W3F1-2004-0096)			
15.4- 8	2.13.4.1.4-2	CN-TAS-02-92 Rev 0 App D Table D-2 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 9	Deleted	CN-TAS-02-92 Rev 0 LTR-TAS-04-28, Rev 1	With the new analysis for section 15.4 there was one less table than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 10	Previously Deleted	N/A	N/A	N/A
15.4- 11	Original Table 15.4-11 Deleted in FSAR Revision 13 Original Table 15.4-17 changed to 15.4-11	N/A	Only editorial changes to this table (i.e., change to a table number).	Editorial
15.4- 12	Original Table 15.4-37 changed to 15.4-12	N/A	Only editorial changes to this table (i.e., change to a table number).	Editorial
15.4- 13	Original Table 15.4-38 changed to 15.4-13	N/A	Only editorial changes to this table (i.e., change to a table number).	Editorial
15.4- 14	2.13.4.3.2-1	CN-TAS-03-8 Rev 3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 15	2.13.4.3.2-2	CN-TAS-03-8 Rev 3 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. The value for Maximum RCS pressure is found in the listed calculation (CN-TAS-03-8) which is the basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 16	2.13.4.3.2-3	CN-TAS-03-8 Rev 3 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. The values for CPCS VOPT setpoint and CPCS VOP Total response time are not found in the corresponding PUR table, however, they are found in the listed calculation (CN-TAS-03-8) which is the basis for the rest of the table, and therefore	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			implicitly covered by the EPU LAR.	
15.4- 17	2.13.4.3.2-4 (Revised per Attach 5 to W3F1-2004-0096) (Original 15.4-17 Changed to 15.4-11, Editorial Change)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 18	2.13.4.3.2-5	CN-TAS-03-8 Rev 3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 19	Was 15.4-31, Editorial Change	This table is Dose related and not within scope of this ER.	For the scope of this ER, the only changes made to the table were editorial, i.e., changed table number. Reference ER-W3-2004-0276-000	Editorial
15.5- 1	N/A	CN-TAS-03-18 Rev 1 CN-TAS-03-10, Rev. 0 LTR-TAS-04-119, Rev 4	The table is being revised to indicate that the analysis is not being revised. See discussion for Section 2.13.5.1.1.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.5- 2	N/A	CN-TAS-03-18 Rev 1 CN-TAS-03-10, Rev. 0 LTR-TAS-04-119, Rev 4	The table is being revised to indicate that the analysis is not being revised. See discussion for Section 2.13.5.1.1.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 1	2.13.6.3.1-2	CN-TAS-02-41 Rev 0 Table 7.3.6.3.1-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 2	2.13.6.3.1-1	CN-TAS-02-41 Rev 0 Table 7.3.6.3.1-2 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. The values for Core outlet coolant temperature and Secondary relief valve setpoint are not found in the corresponding PUR table, however, they are found in the listed calculation (CN-TAS-02-41) which is the basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 3	Dose Scope	This table is Dose related and not within scope of this ER.	Reference ER-W3-2004-0276-000	N/A
15.6- 4	2.13.6.3.2-2 (Revised per Attach 4	CN-TAS-03-15 Rev 1	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	to W3F1-2004-0096)	LTR-TAS-04-119, Rev 4	PUR Table column of this table.	
15.6- 4A	Was 15.6-4, Editorial Change	This table is Dose related and not within scope of this ER.	For the scope of this ER, the only changes made to the table were editorial, i.e., changed table number to 15.6-4A to accommodate new Table 15.6-4. Reference ER-W3-2004-0276-000	Editorial
15.6- 5	2.13.6.3.2-1 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. The value for Tolerance on MSSV Setpoint is not found in the corresponding PUR table, however, it is found in the listed calculation (CN-TAS-03-15) which is the basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 6	Dose Scope	This table is Dose related and not within scope of this ER.	Reference ER-W3-2004-0276-000	N/A
15.6- 7	Dose Scope	This table is Dose related and not within scope of this ER.	Reference ER-W3-2004-0276-000	N/A
15.6- 8	Previously Deleted	N/A	N/A	N/A
15.6- 9	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less tables than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 10	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less tables than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 11	Previously Deleted	N/A	N/A	N/A
15.6- 12	2.12-4	CN-OA-02-58 Rev 0 App B Table 15.6-12 LTR-OA-04-77 Rev 2	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 12a	W3F1-2004-0052 Attach 5, Table 2.12-10	CN-OA-04-20 Rev 0 Table 6-6 LTR-OA-04-77 Rev 2	a. The majority of the changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. See b below for those changes not explicitly addressed in the EPU LAR. b. The values for Reactor Trip and SIAS are not found in the corresponding PUR table, however, they are found in the listed calc (CN-TAS-04-20 6-6) which is the basis for the rest of the table, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 13	2.12-1	CN-OA-02-58 Rev 0 App B Table 15.6-13 LTR-OA-04-77 Rev 2	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 13a	W3F1-2004-0052 Attach 5, Table 2.12-7	CN-OA-04-20 Rev 0 Table 6-4 LTR-OA-04-77 Rev 2	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 13c	2.13.6.3.4 and 2.12.6	LTR-OA-04-77 Rev 2	This table was revised to reflect that the Inadvertent Opening of a Pressurizer Safety Valve was evaluated for impact for EPU but the analysis was not reperformed.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 14	2.12.-3	CN-OA-02-58 Rev 0 App B Table 15.6-14 LTR-OA-04-77 Rev 2	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 14a	W3F1-2004-0052 Attach 5, Table 2.12-19	CN-OA-04-20 Rev 0 Table 6-2 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 15	Editorial Change	CN-OA-02-58 Rev 0 App B Table 15.6-15	Editorial changes were made to the table to reflect the resulting figures from the revised analysis for the Large Break LOCA Analysis.	Editorial.
15.6- 16	Editorial Change	CN-OA-02-58 Rev 0 App B Table 15.6-16	Editorial change to table to clarify wording.	Editorial
15.6- 16a	Editorial Change	CN-OA-04-20 Rev 0 LTR-OA-04-77 Rev 2	Editorial changes were made to the table to reflect the variables plotted due to the revised analysis for the Small Break LOCA Analysis.	Editorial.
15.6- 17	No Change	N/A	N/A	N/A
15.6- 18	Dose Scope	This table is Dose related and not within scope of this ER.	Reference ER-W3-2004-0276-000	N/A
15.6- 19	Previously Deleted	N/A	N/A	N/A
15.6- 20	Dose Scope	This table is Dose related and not within scope of this ER.	Reference ER-W3-2004-0276-000	N/A
15.6- 21	No change to 15.6.3.4 (not limiting location for LOCA).	N/A	No change	N/A
15.6- 22	No change to 15.6.3.4 (not limiting location for LOCA).	N/A	No change	N/A
15.6- 23	No change to 15.6.3.4 (not limiting location	N/A	No change	N/A

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Table 2 Affected FSAR Tables				
Table No.	Supporting EPU PUR Table ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	for LOCA).			
15.6- 24	Deleted, Replaced by New Table 15.6-4	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 25	Deleted, Replaced by New Table 15.6-5	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 26	Deleted, Replaced by New Table 15.6-6	This table is Dose related and not within scope of this ER.	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table. (Note, new table 15.6-6 is not within the scope of this ER).	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 27	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less tables than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 28	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less tables than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 1	2.13.9.1.1-1	CN-TAS-02-78 Rev 0 App D Table D-1 LTR-RCPL-04-32, Rev 0	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 2	2.13.9.1.1-2	CN-TAS-02-78 Rev 0 App D Table D-2 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the tables listed in the Supporting EPU PUR Table column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

Notes: 1. Attachment 5 to Letter W3F1-2003-0074, Waterford 3 Extended Power Uprate Report, unless otherwise noted.

Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.0- 1	Deleted	LTR-TAS-04-119, Rev 4	The paragraph in FSAR Section 15.0.3.3.3 which referenced this Figure was deleted.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 1	2.13.1.1.3-1	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 2	2.13.1.1.3-2	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-2 LTR-TAS-04-112, Rev. 0	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-27, Rev 1	PUR Figure column of this table.	
15.1- 3	2.13.1.1.3-3	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-3 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 4	2.13.1.1.3-4	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-4 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 5	2.13.1.1.3-5	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-5 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 6	2.13.1.1.3-6	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-6 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 7	2.13.1.1.3-7	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-7 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 8	2.13.1.1.3-8	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-8 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 9	2.13.1.1.3-9	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-9 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 10	2.13.1.1.3-10	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-10 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 11	2.13.1.1.3-11	CN-TAS-02-96 Rev 0 Fig 7.3.1.1.3-11 LTR-TAS-04-112, Rev. 0 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 12	2.13.1.1.4-1	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 13	2.13.1.1.4-2	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.1- 14	2.13.1.1.4-3	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 15	2.13.1.1.4-4 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 16	2.13.1.1.4-5	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 17	2.13.1.1.4-6	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 18	2.13.1.1.4-7	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 19	2.13.1.1.4-8	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 20	2.13.1.1.4-9	CN-TAS-02-87 Rev 1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 21	2.13.1.2.3-1	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 22	2.13.1.2.3-2	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-2 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 23	2.13.1.2.3-3	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-3 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 24	2.13.1.2.3-4	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-4 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 25	2.13.1.2.3-5 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-5 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 26	2.13.1.2.3-6	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-6	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-27, Rev 1	specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.1- 27	2.13.1.2.3-7	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-7 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 28	2.13.1.2.3-8	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-8 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 29	2.13.1.2.3-9	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-9 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 30	2.13.1.2.3-10	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-10 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 31	2.13.1.2.3-11	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-11 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 32	2.13.1.2.3-12	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-12 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 33	2.13.1.2.3-13	CN-TAS-02-33 Rev 1 Fig 7.3.1.2.3-13 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 34	2.13.1.2.4-1	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-1 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 35	2.13.1.2.4-2	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-2 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 36	2.13.1.2.4-3	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-3 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 37	2.13.1.2.4-4	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-4 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 38	2.13.1.2.4-5	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-5 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			PUR Figure column of this table.	
15.1- 39	2.13.1.2.4-6	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-6 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 40	2.13.1.2.4-7	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-7 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 41	2.13.1.2.4-8	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-8 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 42	2.13.1.2.4-9	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-9 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 43	2.13.1.2.4-10	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-10 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 44	2.13.1.2.4-11	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-11 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 45	2.13.1.2.4-12	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-12 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 46	2.13.1.2.4-13	CN-TAS-03-9 Rev 0 Fig 7.3.1.2.4-13 LTR-TAS-04-27, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 47	2.13.1.3.1-1 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 48	2.13.1.3.1-2 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-2 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 49	2.13.1.3.1-3 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 50	2.13.1.3.1-4 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-4 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.1- 51	2.13.1.3.1-5 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-5 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 52	2.13.1.3.1-6 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-6 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 53	2.13.1.3.1-7 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-7 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 54	2.13.1.3.1-8 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-8 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 55	2.13.1.3.1-9 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-9 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 56	2.13.1.3.1-10 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-10 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 57	2.13.1.3.1-11 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-11 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 58	2.13.1.3.1-12 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-12 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 59	2.13.1.3.1-13 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-13 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 60	2.13.1.3.1-14 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-14 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 61	2.13.1.3.1-15 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-15 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 62	2.13.1.3.1-16 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-16 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	to W3F1-2004-0096)			
15.1- 63	2.13.1.3.1-17 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-17 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 64	2.13.1.3.1-18 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-18 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 65	2.13.1.3.1-19 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-19 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 66	2.13.1.3.1-20 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-20 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 67	2.13.1.3.1-21 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-21 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 68	2.13.1.3.1-22 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-22 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 69	2.13.1.3.1-23 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-23 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 70	2.13.1.3.1-24 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-24 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 71	2.13.1.3.1-25 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-25 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 72	2.13.1.3.1-26 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-26 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 73	2.13.1.3.1-27 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-27 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 74	2.13.1.3.1-28	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-28	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	(Revised per Attach 1 to W3F1-2004-0096)	LTR-TAS-04-119, Rev 4	PUR Figure column of this table.	dependent on LAR approval)
15.1- 75	2.13.1.3.1-29 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-29 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 76	2.13.1.3.1-30 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-30 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 77	2.13.1.3.1-31 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-31 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 78	2.13.1.3.1-32 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-32 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 79	2.13.1.3.1-33 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-33 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 80	2.13.1.3.1-34 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-34 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 81	2.13.1.3.1-35 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-35 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 82	2.13.1.3.1-36 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-36 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 83	2.13.1.3.1-37 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-37 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 84	2.13.1.3.1-38 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-38 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 85	2.13.1.3.1-39 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-39 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.1- 86	2.13.1.3.1-40 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-40 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 87	2.13.1.3.1-41 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-41 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 88	2.13.1.3.1-42 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-42 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 89	2.13.1.3.1-43 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-43 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 90	2.13.1.3.1-44 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-44 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 91	2.13.1.3.1-45 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-45 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 92	2.13.1.3.1-46 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-46 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 93	2.13.1.3.1-47 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-47 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 94	2.13.1.3.1-48 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-48 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 95	2.13.1.3.1-49 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-49 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 96	2.13.1.3.1-50 (Revised per Attach 1 to W3F1-2004-0096)	CN-TAS-02-97 Rev 1 Fig 2.13.1.3.1-50 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 97	Existing FSAR Figure 15.1-76	N/A	No technical change (Figure number changed)	Editorial

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Table 3
Affected FSAR Figures

Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.1- 98	Existing FSAR Figure 15.1-77	N/A	No technical change (Figure number changed)	Editorial
15.1- 99	Existing FSAR Figure 15.1-78	N/A	No technical change (Figure number changed)	Editorial
15.1- 100	Existing FSAR Figure 15.1-79	N/A	No technical change (Figure number changed)	Editorial
15.1- 101	Existing FSAR Figure 15.1-80	N/A	No technical change (Figure number changed)	Editorial
15.1- 102	Existing FSAR Figure 15.1-81	N/A	No technical change (Figure number changed)	Editorial
15.1- 103	Existing FSAR Figure 15.1-82	N/A	No technical change (Figure number changed)	Editorial
15.1- 104	Existing FSAR Figure 15.1-83	N/A	No technical change (Figure number changed)	Editorial
15.1- 105	Existing FSAR Figure 15.1-84	N/A	No technical change (Figure number changed)	Editorial
15.1- 106	Existing FSAR Figure 15.1-85	N/A	No technical change (Figure number changed)	Editorial
15.1- 107	Existing FSAR Figure 15.1-86	N/A	No technical change (Figure number changed)	Editorial
15.1- 108	2.13.1.3.3-1	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 109	2.13.1.3.3-2	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 110	2.13.1.3.3-3	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 111	2.13.1.3.3-4	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 112	2.13.1.3.3-5	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 113	2.13.1.3.3-6	CN-TAS-03-23 Rev 1	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-119, Rev 4	specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.1- 114	2.13.1.3.3-7 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.1- 115	NOT IN PUR	CN-TAS-03-23 Rev 1 LTR-TAS-04-119, Rev 4	Figure not in PUR, however, figure plotted from data from calculation CN-TAS-03-23, which is the basis for the related section and figures, and therefore implicitly covered by the EPU LAR.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 1	2.13.2.1.3-1	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 2	2.13.2.1.3-2	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 3	2.13.2.1.3-3	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 4	2.13.2.1.3-4	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 5	2.13.2.1.3-5	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 6	2.13.2.1.3-6	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 7	2.13.2.1.3-7	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 8	2.13.2.1.3-8	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 9	2.13.2.1.3-9	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 10	2.13.2.1.3-10	CN-TAS-02-53 Rev 1	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-30, Rev 1	specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.2- 11	2.13.2.1.3-11	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 12	2.13.2.1.3-12	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 13	2.13.2.1.3-13	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 14	2.13.2.1.3-14	CN-TAS-02-53 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 15	2.13.2.2.5-1 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 16	2.13.2.2.5-2 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 17	2.13.2.2.5-3 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 18	2.13.2.2.5-4 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 19	2.13.2.2.5-5 (Revised	CN-TAS-03-3 Rev 1	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

Table 3				
Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	LTR-TAS-04-30, Rev 1	specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.2- 20	2.13.2.2.5-6 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 21	2.13.2.2.5-7 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 22	2.13.2.2.5-8 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 23	2.13.2.2.5-9 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 24	2.13.2.2.5-10 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 25	2.13.2.2.5-11 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 26	2.13.2.2.5-12 (Revised per LTR-	CN-TAS-03-3 Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	LTR-TAS-04-30, Rev 1	PUR Figure column of this table.	dependent on LAR approval)
15.2- 27	2.13.2.3.1-1	CN-TAS-02-30 Rev 0 Figure D.I-1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 28	2.13.2.3.1-7	CN-TAS-02-30 Rev 0 Figure D.I-7 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 29	2.13.2.3.1-8	CN-TAS-02-30 Rev 0 Figure D.I-8 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 30	2.13.2.3.1-2	CN-TAS-02-30 Rev 0 Figure D.I-2 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 31	2.13.2.3.1-5	CN-TAS-02-30 Rev 0 Figure D.I-5 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 32	2.13.2.3.1-4	CN-TAS-02-30 Rev 0 Figure D.I-4 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 33	2.13.2.3.1-6	CN-TAS-02-30 Rev 0 Figure D.I-6 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 34	2.13.2.3.1-3	CN-TAS-02-30 Rev 0 Figure D.I-3 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 35	2.13.2.3.1-12	CN-TAS-02-30 Rev 0 Figure D.I-12 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 36	2.13.2.3.1-15	CN-TAS-02-30 Rev 0 Figure D.I-15 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 37	2.13.2.3.1-16	CN-TAS-02-30 Rev 0 Figure D.I-16 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.2- 38	2.13.2.3.1-9	CN-TAS-02-30 Rev 0 Figure D.I-9 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 39	2.13.2.3.1-14	CN-TAS-02-30 Rev 0 Figure D.I-14 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 40	2.13.2.3.1-11	CN-TAS-02-30 Rev 0 Figure D.I-11 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 41	2.13.2.3.1-13	CN-TAS-02-30 Rev 0 Figure D.I-13 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 42	2.13.2.3.1-10	CN-TAS-02-30 Rev 0 Figure D.I-10 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 43	2.13.2.3.1-17	CN-TAS-02-30 Rev 0 Figure D.I-17 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 44	2.13.2.3.1-18	CN-TAS-02-30 Rev 0 Figure D.I-18 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 45	2.13.2.3.1-19	CN-TAS-02-30 Rev 0 Figure D.I-19 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 46	2.13.2.3.1-20	CN-TAS-02-30 Rev 0 Figure D.II-1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 47	2.13.2.3.1-26	CN-TAS-02-30 Rev 0 Figure D.II-7 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 48	2.13.2.3.1-27	CN-TAS-02-30 Rev 0 Figure D.II-8 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 49	2.13.2.3.1-21	CN-TAS-02-30 Rev 0 Figure D.II-2 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 50	2.13.2.3.1-24	CN-TAS-02-30 Rev 0 Figure D.II-5	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-30, Rev 1	specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.2- 51	2.13.2.3.1-23	CN-TAS-02-30 Rev 0 Figure D.II-4 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 52	2.13.2.3.1-25	CN-TAS-02-30 Rev 0 Figure D.II-6 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 53	2.13.2.3.1-22	CN-TAS-02-30 Rev 0 Figure D.II-3 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 54	2.13.2.3.1-31	CN-TAS-02-30 Rev 0 Figure D.II-12 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 55	2.13.2.3.1-34	CN-TAS-02-30 Rev 0 Figure D.II-15 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 56	2.13.2.3.1-35	CN-TAS-02-30 Rev 0 Figure D.II-16 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 57	2.13.2.3.1-28	CN-TAS-02-30 Rev 0 Figure D.II-9 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 58	2.13.2.3.1-33	CN-TAS-02-30 Rev 0 Figure D.II-14 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 59	2.13.2.3.1-30	CN-TAS-02-30 Rev 0 Figure D.II-11 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 60	2.13.2.3.1-32	CN-TAS-02-30 Rev 0 Figure D.II-13 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 61	2.13.2.3.1-29	CN-TAS-02-30 Rev 0 Figure D.II-10 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 62	2.13.2.3.1-36	CN-TAS-02-30 Rev 0 Figure D.II-17 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			PUR Figure column of this table.	
15.2- 63	2.13.2.3.1-37	CN-TAS-02-30 Rev 0 Figure D.II-18 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 64	2.13.2.3.1-38	CN-TAS-02-30 Rev 0 Figure D.II-19 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 65	2.13.2.3.2-1	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 66	2.13.2.3.2-2	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 67	2.13.2.3.2-3	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 68	2.13.2.3.2-4	CN-TAS-03-3 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 69	2.13.2.3.2-5	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 70	2.13.2.3.2-6	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 71	2.13.2.3.2-7	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 72	2.13.2.3.2-8	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 73	2.13.2.3.2-9	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.2- 74	2.13.2.3.2-10	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3				
Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.2- 75	2.13.2.3.2-11	CN-TAS-03-3 Rev 1 LTR-TAS-04-30, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 1	2.13.3.2.1-1	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-1 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 2	2.13.3.2.1-2	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-2 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 3	2.13.3.2.1-3	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-3 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 4	2.13.3.2.1-9	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-4 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 5	2.13.3.2.1-4	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-5 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 6	2.13.3.2.1-5	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-6 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 7	2.13.3.2.1-6	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-7 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 8	2.13.3.2.1-7	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-8 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 9	2.13.3.2.1-8	CN-TAS-02-98 Rev 0 Figure 7.3.3.2.1-9 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 10	2.13.3.3.1-1	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-1 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 11	2.13.3.3.1-2	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-2 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 12	2.13.3.3.1-3	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-3	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-21, Rev 1	specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.3- 13	2.13.3.3.1-4	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-4 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 14	2.13.3.3.1-5	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-5 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 15	2.13.3.3.1-6	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-6 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 16	2.13.3.3.1-7	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-7 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 17	2.13.3.3.1-8	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-8 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.3- 18	2.13.3.3.1-9	CN-TAS-03-10 Rev 0 Figure 7.3.3.3.1-9 LTR-TAS-04-21, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 1	2.13.4.1.1-1	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 2	2.13.4.1.1-2	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 3	2.13.4.1.1-8	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 4	2.13.4.1.1-3	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 5	2.13.4.1.1-4	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 6	2.13.4.1.1-5	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			PUR Figure column of this table.	
15.4- 7	2.13.4.1.1-6	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 8	2.13.4.1.1-7	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 9	2.13.4.1.2-1	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 10	2.13.4.1.2-2	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 11	2.13.4.1.2-8	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 12	2.13.4.1.2-3	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 13	2.13.4.1.2-4	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 14	2.13.4.1.2-5	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 15	2.13.4.1.2-6	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 16	2.13.4.1.2-7	CN-TAS-02-70 Rev 1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 17	2.13.4.1.3-1 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.4- 18	2.13.4.1.3-2 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-2 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 19	2.13.4.1.3-3 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 20	2.13.4.1.3-4 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-4 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 21	2.13.4.1.3-5 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-5 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 22	2.13.4.1.3-6 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-6 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 23	2.13.4.1.3-7 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-7 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 24	2.13.4.1.3-8 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-8 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 25	2.13.4.1.3-9 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-9 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3				
Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.4- 26	2.13.4.1.3-10 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-10 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 27	2.13.4.1.3-11 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-11 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 28	2.13.4.1.3-12 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	CN-TAS-02-95 Rev 0 Figure 7.3.4.1.3-12 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 29	2.13.4.1.3-13 (Revised per LTR-RCPL-04-120 Rev 1, but not included in PUR revision of W3F1-2004-0096)	NOT IN CALC LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 30	2.13.4.1.4-1	CN-TAS-02-92 Rev 0 App D Figure D-1 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 31	2.13.4.1.4-2	CN-TAS-02-92 Rev 0 App D Figure D-2 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 32	2.13.4.1.4-6	CN-TAS-02-92 Rev 0 App D Figure D-3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 33	2.13.4.1.4-4	CN-TAS-02-92 Rev 0 App D Figure D-4 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 34	2.13.4.1.4-3	CN-TAS-02-92 Rev 0 App D Figure D-5 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.4- 35	2.13.4.1.4-7	CN-TAS-02-92 Rev 0 App D Figure D-6 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 36	2.13.4.1.4-5	CN-TAS-02-92 Rev 0 App D Figure D-7 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 37	2.13.4.1.4-8	CN-TAS-02-92 Rev 0 App D Figure D-8 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 38	2.13.4.1.4-9	CN-TAS-02-92 Rev 0 App D Figure D-9 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 39	Deleted	CN-TAS-02-92 Rev 0 LTR-TAS-04-28, Rev 1	With the new analysis for section 15.4 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 40	Deleted	CN-TAS-02-92 Rev 0 LTR-TAS-04-28, Rev 1	With the new analysis for section 15.4 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 41	Deleted	CN-TAS-02-92 Rev 0 LTR-TAS-04-28, Rev 1	With the new analysis for section 15.4 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 42	Deleted	CN-TAS-02-92 Rev 0 LTR-TAS-04-28, Rev 1	With the new analysis for section 15.4 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 43	Deleted	CN-TAS-02-92 Rev 0 LTR-TAS-04-28, Rev 1	With the new analysis for section 15.4 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 44	Original Figure 15.4-98 was changed to 15.4-44	N/A	Only editorial changes to this figure (i.e., change to a figure number).	Editorial
15.4- 45	Original Figure 15.4-99 was changed to 15.4-45	N/A	Only editorial changes to this figure (i.e., change to a figure number).	Editorial
15.4- 46	2.13.4.3.2-1	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 47	2.13.4.3.2-2 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 48	2.13.4.3.2-3	CN-TAS-03-8 Rev 3	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-28, Rev 1	PUR Figure column of this table.	
15.4- 49	2.13.4.3.2-4	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 50	2.13.4.3.2-5	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 51	2.13.4.3.2-6	CN-TAS-03-8 Rev 3 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 52	2.13.4.3.2-7 (Revised per W3F1-2004-0073)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 53	2.13.4.3.2-8 (Revised per W3F1-2004-0073)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 54	2.13.4.3.2-9 (Revised per W3F1-2004-0073)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 55	2.13.4.3.2-10 (Revised per W3F1-2004-0073)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 56	2.13.4.3.2-11 (Revised per W3F1-2004-0073)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.4- 57	2.13.4.3.2-12 (Revised per Attach 5 to W3F1-2004-0096)	CN-TAS-03-8 Rev 3 LTR-TAS-04-28, Rev 1	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 1	2.13.6.3.1-1	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-1 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 2	2.13.6.3.1-2	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-2 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 3	2.13.6.3.1-3	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-3 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 4	2.13.6.3.1-9	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-4 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 5	2.13.6.3.1-4	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-5 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 6	2.13.6.3.1-5	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-6 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 7	2.13.6.3.1-7	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-7 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 8	2.13.6.3.1-6	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-8 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 9	2.13.6.3.1-8	CN-TAS-02-41 Rev 0 Figure 7.3.6.3.1-9 LTR-TAS-04-22, Rev 2	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 10	2.13.6.3.2-1 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 11	2.13.6.3.2-2 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 12	2.13.6.3.2-3 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 13	2.13.6.3.2-13 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 14	2.13.6.3.2-4 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 15	2.13.6.3.2-5 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 16	2.13.6.3.2-6 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 17	2.13.6.3.2-7 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 18	2.13.6.3.2-8 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 19	2.13.6.3.2-9 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 20	2.13.6.3.2-10 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 21	2.13.6.3.2-11 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 22	2.13.6.3.2-12 (Revised per Attach 4 to W3F1-2004-0096)	CN-TAS-03-15 Rev 1 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 23	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 24	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 25	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 26	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 27	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 28	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 29	Deleted	CN-TAS-03-15 Rev 1	With the new analysis for section 15.6 there were less	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3				
Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
		LTR-TAS-04-22, Rev 2	figures than with the original analysis.	dependent on LAR approval)
15.6- 30	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 31	Deleted	CN-TAS-03-15 Rev 1 LTR-TAS-04-22, Rev 2	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 32	Previously Deleted	N/A	N/A	N/A
15.6- 33	Previously Deleted	N/A	N/A	N/A
15.6- 34	Previously Deleted	N/A	N/A	N/A
15.6- 35	Previously Deleted	N/A	N/A	N/A
15.6- 36	2.12-1	CN-OA-02-58 Rev 0 App B Fig 15.6-36	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 37	2.12-2	CN-OA-02-58 Rev 0 App B Fig 15.6-37	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 38	2.12-3	CN-OA-02-58 Rev 0 App B Fig 15.6-38	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 39	2.12-4	CN-OA-02-58 Rev 0 App B Fig 15.6-39	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 40	2.12-5	CN-OA-02-58 Rev 0 App B Fig 15.6-40	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 41	2.12-6	CN-OA-02-58 Rev 0 App B Fig 15.6-41	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 42	2.12-7	CN-OA-02-58 Rev 0 App B Fig 15.6-42	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 43	2.12-8	CN-OA-02-58 Rev 0 App B Fig 15.6-43	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 44	2.12-9	CN-OA-02-58 Rev 0 App B Fig 15.6-44	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 45	2.12-10	CN-OA-02-58 Rev 0 App B Fig 15.6-45	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 46	2.12-11	CN-OA-02-58 Rev 0 App B Fig 15.6-46	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 47	2.12-12	CN-OA-02-58 Rev 0 App B Fig 15.6-47	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 48	2.12-13	CN-OA-02-58 Rev 0 App B Fig 15.6-48	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 49	2.12-14	CN-OA-02-58 Rev 0 App B Fig 15.6-49	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 50	2.12-15	CN-OA-02-58 Rev 0 App B Fig 15.6-50	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 51	2.12-16	CN-OA-02-58 Rev 0 App B Fig 15.6-51	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 52	2.12-17	CN-OA-02-58 Rev 0 App B Fig 15.6-52	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 53	2.12-18	CN-OA-02-58 Rev 0 App B Fig 15.6-53	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 54	2.12-19	CN-OA-02-58 Rev 0 App B Fig 15.6-54	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 55	2.12-20	CN-OA-02-58 Rev 0 App B Fig 15.6-55	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 56	2.12-21	CN-OA-02-58 Rev 0 App B Fig 15.6-56	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 57	2.12-22	CN-OA-02-58 Rev 0 App B Fig 15.6-57	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.6- 58	2.12-23	CN-OA-02-58 Rev 0 App B Fig 15.6-58	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 59	2.12-24	CN-OA-02-58 Rev 0 App B Fig 15.6-59	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 60	2.12-25	CN-OA-02-58 Rev 0 App B Fig 15.6-60	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 61	2.12-26	CN-OA-02-58 Rev 0 App B Fig 15.6-61	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 62	2.12-27	CN-OA-02-58 Rev 0 App B Fig 15.6-62	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 63	2.12-28	CN-OA-02-58 Rev 0 App B Fig 15.6-63	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 64	2.12-29	CN-OA-02-58 Rev 0 App B Fig 15.6-64	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 65	2.12-30	CN-OA-02-58 Rev 0 App B Fig 15.6-65	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 66	2.12-31	CN-OA-02-58 Rev 0 App B Fig 15.6-66	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 67	2.12-32	CN-OA-02-58 Rev 0 App B Fig 15.6-67	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 68	2.12-33	CN-OA-02-58 Rev 0 App B Fig 15.6-68	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 69	2.12-34	CN-OA-02-58 Rev 0 App B Fig 15.6-69	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			PUR Figure column of this table.	
15.6- 70	2.12-35	CN-OA-02-58 Rev 0 App B Fig 15.6-70	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 71	PUR Table 2.12-3	CN-OA-02-58 Rev 0 App B Fig 15.6-71	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 72	Previously Deleted	N/A	N/A	N/A
15.6- 73	Previously Deleted	N/A	N/A	N/A
15.6- 74	Previously Deleted	N/A	N/A	N/A
15.6- 75	Previously Deleted	N/A	N/A	N/A
15.6- 76	Previously Deleted	N/A	N/A	N/A
15.6- 77	Previously Deleted	N/A	N/A	N/A
15.6- 78	Previously Deleted	N/A	N/A	N/A
15.6- 79	Previously Deleted	N/A	N/A	N/A
15.6- 80	Previously Deleted	N/A	N/A	N/A
15.6- 81	Previously Deleted	N/A	N/A	N/A
15.6- 82	Previously Deleted	N/A	N/A	N/A
15.6- 83	Previously Deleted	N/A	N/A	N/A
15.6- 84	Previously Deleted	N/A	N/A	N/A
15.6- 85	Previously Deleted	N/A	N/A	N/A
15.6- 86	Previously Deleted	N/A	N/A	N/A
15.6- 87	Previously Deleted	N/A	N/A	N/A
15.6- 88	Previously Deleted	N/A	N/A	N/A
15.6- 89	Previously Deleted	N/A	N/A	N/A
15.6- 90	Previously Deleted	N/A	N/A	N/A
15.6- 91	Previously Deleted	N/A	N/A	N/A
15.6- 92	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 93	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 94	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			figures than with the original analysis.	dependent on LAR approval)
15.6- 95	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 96	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 97	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 98	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 99	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 100	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 101	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 102	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 103	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 104	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 105	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 106	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 107	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 108	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 109	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 110	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 111	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 112	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 113	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 114	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 115	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 116	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 117	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 118	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 119	Previously Deleted	N/A	N/A	N/A
15.6- 120	Previously Deleted	N/A	N/A	N/A
15.6- 121	Previously Deleted	N/A	N/A	N/A
15.6- 122	Previously Deleted	N/A	N/A	N/A
15.6- 123	Previously Deleted	N/A	N/A	N/A
15.6- 124	Previously Deleted	N/A	N/A	N/A
15.6- 125	Previously Deleted	N/A	N/A	N/A
15.6- 126	Previously Deleted	N/A	N/A	N/A
15.6- 127	Previously Deleted	N/A	N/A	N/A
15.6- 128	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 129	Previously Deleted	N/A	N/A	N/A
15.6- 130	Previously Deleted	N/A	N/A	N/A
15.6- 131	Previously Deleted	N/A	N/A	N/A
15.6- 132	Previously Deleted	N/A	N/A	N/A
15.6- 133	Previously Deleted	N/A	N/A	N/A
15.6- 134	Previously Deleted	N/A	N/A	N/A
15.6- 135	Previously Deleted	N/A	N/A	N/A

Table 3
Affected FSAR Figures

Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 136	Previously Deleted	N/A	N/A	N/A
15.6- 137	Previously Deleted	N/A	N/A	N/A
15.6- 138	Previously Deleted	N/A	N/A	N/A
15.6- 139	Previously Deleted	N/A	N/A	N/A
15.6- 140	Previously Deleted	N/A	N/A	N/A
15.6- 141	Previously Deleted	N/A	N/A	N/A
15.6- 142	Previously Deleted	N/A	N/A	N/A
15.6- 143	Previously Deleted	N/A	N/A	N/A
15.6- 144	Previously Deleted	N/A	N/A	N/A
15.6- 145	Previously Deleted	N/A	N/A	N/A
15.6- 146	Previously Deleted	N/A	N/A	N/A
15.6- 147	Previously Deleted	N/A	N/A	N/A
15.6- 148	Previously Deleted	N/A	N/A	N/A
15.6- 149	Previously Deleted	N/A	N/A	N/A
15.6- 150	Previously Deleted	N/A	N/A	N/A
15.6- 151	Previously Deleted	N/A	N/A	N/A
15.6- 152	Previously Deleted	N/A	N/A	N/A
15.6- 153	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 154	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 155	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 156	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 157	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 158	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 159	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 160	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less	50.59 Review Form Section II.A.5 (i.e.,

Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
			figures than with the original analysis.	dependent on LAR approval)
15.6- 161	Previously Deleted	N/A	N/A	N/A
15.6- 162	Previously Deleted	N/A	N/A	N/A
15.6- 163	Previously Deleted	N/A	N/A	N/A
15.6- 164	Previously Deleted	N/A	N/A	N/A
15.6- 165	Previously Deleted	N/A	N/A	N/A
15.6- 166	Previously Deleted	N/A	N/A	N/A
15.6- 167	Previously Deleted	N/A	N/A	N/A
15.6- 168	Previously Deleted	N/A	N/A	N/A
15.6- 169	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 170	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 171	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 172	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 173	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 174	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 175	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 176	Deleted	CN-OA-04-20 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 177	W3F1-2004-0052 Attach 5, Sect 2.12.4	CN-OA-04-20 Rev 0 LTR-OA-04-77 Rev 2	Figure was revised to reflect revised Small Break LOCA analysis. The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 178	No Change	N/A	N/A	N/A
15.6- 179	No Change	N/A	N/A	N/A
15.6- 180	No Change	N/A	N/A	N/A
15.6- 181	No Change	N/A	N/A	N/A

Table 3
Affected FSAR Figures

Figure No.	Supporting EPU PUR Figure ¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 182	No Change	N/A	N/A	N/A
15.6- 183	No Change	N/A	N/A	N/A
15.6- 184	No Change	N/A	N/A	N/A
15.6- 185	No Change	N/A	N/A	N/A
15.6- 186	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 187	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 188	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 189	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 190	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 191	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 192	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 193	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 194	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 195	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 196	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 197	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 198	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 199	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 200	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3				
Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 201	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 202	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 203	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 204	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 205	Deleted	CN-OA-02-58 Rev 0	With the new analysis for section 15.6 there were less figures than with the original analysis.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 206	W3F1-2004-0052 Attach 5, Fig 2.12-52	CN-OA-04-20 Rev 0 Fig 15.6-206	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 207	W3F1-2004-0052 Attach 5, Fig 2.12-53	CN-OA-04-20 Rev 0 Fig 15.6-207	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 208	W3F1-2004-0052 Attach 5, Fig 2.12-54	CN-OA-04-20 Rev 0 Fig 15.6-208	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 209	W3F1-2004-0052 Attach 5, Fig 2.12-55	CN-OA-04-20 Rev 0 Fig 15.6-209	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 210	W3F1-2004-0052 Attach 5, Fig 2.12-56	CN-OA-04-20 Rev 0 Fig 15.6-210	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 211	W3F1-2004-0052 Attach 5, Fig 2.12-57	CN-OA-04-20 Rev 0 Fig 15.6-211	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 212	W3F1-2004-0052 Attach 5, Fig 2.12-58	CN-OA-04-20 Rev 0 Fig 15.6-212	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 213	W3F1-2004-0052 Attach 5, Fig 2.12-59	CN-OA-04-20 Rev 0 Fig 15.6-213	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 214	W3F1-2004-0052 Attach 5, Fig 2.12-36	CN-OA-04-20 Rev 0 Fig 15.6-214	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.6- 215	W3F1-2004-0052 Attach 5, Fig 2.12-37	CN-OA-04-20 Rev 0 Fig 15.6-215	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 216	W3F1-2004-0052 Attach 5, Fig 2.12-38	CN-OA-04-20 Rev 0 Fig 15.6-216	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 217	W3F1-2004-0052 Attach 5, Fig 2.12-39	CN-OA-04-20 Rev 0 Fig 15.6-217	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 218	W3F1-2004-0052 Attach 5, Fig 2.12-40	CN-OA-04-20 Rev 0 Fig 15.6-218	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 219	W3F1-2004-0052 Attach 5, Fig 2.12-41	CN-OA-04-20 Rev 0 Fig 15.6-219	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 220	W3F1-2004-0052 Attach 5, Fig 2.12-42	CN-OA-04-20 Rev 0 Fig 15.6-220	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 221	W3F1-2004-0052 Attach 5, Fig 2.12-43	CN-OA-04-20 Rev 0 Fig 15.6-221	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 222	W3F1-2004-0052 Attach 5, Fig 2.12-44	CN-OA-04-20 Rev 0 Fig 15.6-222	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 223	W3F1-2004-0052 Attach 5, Fig 2.12-45	CN-OA-04-20 Rev 0 Fig 15.6-223	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 224	W3F1-2004-0052 Attach 5, Fig 2.12-46	CN-OA-04-20 Rev 0 Fig 15.6-224	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 225	W3F1-2004-0052 Attach 5, Fig 2.12-47	CN-OA-04-20 Rev 0 Fig 15.6-225	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 226	W3F1-2004-0052 Attach 5, Fig 2.12-48	CN-OA-04-20 Rev 0 Fig 15.6-226	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 227	W3F1-2004-0052	CN-OA-04-20 Rev 0 Fig 15.6-227	The changes are covered by the EPU LAR and	50.59 Review Form Section II.A.5 (i.e.,

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
	Attach 5, Fig 2.12-49		specifically the figures listed in the Supporting EPU PUR Figure column of this table.	dependent on LAR approval)
15.6- 228	W3F1-2004-0052 Attach 5, Fig 2.12-50	CN-OA-04-20 Rev 0 Fig 15.6-228	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 229	W3F1-2004-0052 Attach 5, Fig 2.12-51	CN-OA-04-20 Rev 0 Fig 15.6-229	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 230	NOT IN PUR (This Figure plotted for the limiting 0.055 ft break size only, see FSAR Table 15.6-16a)	CN-OA-04-20 Rev 0 Fig 15.6-230	This figure is not contained in the EPU LAR, however, it is contained in calculation CN-OA-04-20 which was developed for the Small Break LOCA analysis and is the basis for the Small Break LOCA analysis presented in the EPU LAR PUR, and therefore implicitly covered by the EPU LAR. This is additional information.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 231	NOT IN PUR (This Figure plotted for the limiting 0.055 ft break size only, see FSAR Table 15.6-16a)	CN-OA-04-20 Rev 0 Fig 15.6-231	This figure is not contained in the EPU LAR, however, it is contained in calculation CN-OA-04-20 which was developed for the Small Break LOCA analysis and is the basis for the Small Break LOCA analysis presented in the EPU LAR PUR, and therefore implicitly covered by the EPU LAR. This is additional information.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 232	NOT IN PUR (This Figure plotted for the limiting 0.055 ft break size only, see FSAR Table 15.6-16a)	CN-OA-04-20 Rev 0 Fig 15.6-232	This figure is not contained in the EPU LAR, however, it is contained in calculation CN-OA-04-20 which was developed for the Small Break LOCA analysis and is the basis for the Small Break LOCA analysis presented in the EPU LAR PUR, and therefore implicitly covered by the EPU LAR. This is additional information.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.6- 233	NOT IN PUR (This Figure plotted for the limiting 0.055 ft break size only, see FSAR Table 15.6-16a)	CN-OA-04-20 Rev 0 Fig 15.6-233	This figure is not contained in the EPU LAR, however, it is contained in calculation CN-OA-04-20 which was developed for the Small Break LOCA analysis and is the basis for the Small Break LOCA analysis presented in the EPU LAR PUR, and therefore implicitly covered by the EPU LAR. This is additional information.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 1	2.13.9.1.1-1	CN-TAS-02-78 Rev 0 App D Fig D-1 LTR-RCPL-04-32, Rev 0	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 2	2.13.9.1.1-2	CN-TAS-02-78 Rev 0 App D Fig D-2 LTR-RCPL-04-32, Rev 0 LTR-TAS-04-119, Rev 4	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)

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Table 3 Affected FSAR Figures				
Figure No.	Supporting EPU PUR Figure¹	Supporting Calculation/Document(s)	Nature of Changes Made to the FSAR	50.59 Review Category
15.9- 3	2.13.9.1.1-4	CN-TAS-02-78 Rev 0 App D Fig D-4 LTR-RCPL-04-32, Rev 0	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 4	2.13.9.1.1-3	CN-TAS-02-78 Rev 0 App D Fig D-3 LTR-RCPL-04-32, Rev 0	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 5	2.13.9.1.1-5	CN-TAS-02-78 Rev 0 App D Fig D-5 LTR-RCPL-04-32, Rev 0	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
15.9- 6	2.13.9.1.1-6	CN-TAS-02-78 Rev 0 App D Fig D-6 LTR-RCPL-04-32, Rev 0	The changes are covered by the EPU LAR and specifically the figures listed in the Supporting EPU PUR Figure column of this table.	50.59 Review Form Section II.A.5 (i.e., dependent on LAR approval)
Notes: 1. Attachment 5 to Letter W3F1-2003-0074, Waterford 3 Extended Power Uprate Report, unless otherwise noted.				

B. ENVIRONMENTAL SCREENING

If any of the following questions is answered "yes," an Environmental Review must be performed in accordance with NMM Procedure EV-115, "Environmental Evaluations," and attached to this 50.59 Review. Consider both routine and non-routine (emergency) discharges when answering these questions.

Will the proposed Change being evaluated:

- | | <u>Yes</u> | <u>No</u> | |
|-----|--------------------------|-------------------------------------|--|
| 1. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a land disturbance of previously disturbed land areas in excess of one acre (i.e., grading activities, construction of buildings, excavations, reforestation, creation or removal of ponds)? |
| 2. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a land disturbance of undisturbed land areas (i.e., grading activities, construction, excavations, reforestation, creating, or removing ponds)? |
| 3. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve dredging activities in a lake, river, pond, or stream? |
| 4. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Increase the amount of thermal heat being discharged to the river or lake? |
| 5. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Increase the concentration or quantity of chemicals being discharged to the river, lake, or air? |
| 6. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Discharge any chemicals new or different from that previously discharged? |
| 7. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Change the design or operation of the intake or discharge structures? |
| 8. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify the design or operation of the cooling tower that will change water or air flow characteristics? |
| 9. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify the design or operation of the plant that will change the path of an existing water discharge or that will result in a new water discharge? |
| 10. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify existing stationary fuel burning equipment (i.e., diesel fuel oil, butane, gasoline, propane, and kerosene)? |
| 11. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the installation of stationary fuel burning equipment or use of portable fuel burning equipment (i.e., diesel fuel oil, butane, gasoline, propane, and kerosene)? |
| 12. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the installation or use of equipment that will result in a new or additional air emission discharge? |
| 13. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the installation or modification of a stationary or mobile tank? |
| 14. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the use or storage of oils or chemicals that could be directly released into the environment? |
| 15. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve burial or placement of any solid wastes in the site area that may affect runoff, surface water, or groundwater? |

C. SECURITY PLAN SCREENING

If any of the following questions is answered "yes," a Security Plan Review must be performed by the Security Department to determine actual impact to the Plan and the need for a change to the Plan.

Could the proposed activity being evaluated:

- | | <u>Yes</u> | <u>No</u> | |
|-----|--------------------------|-------------------------------------|--|
| 1. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Add, delete, modify, or otherwise affect Security department responsibilities (e.g., including fire brigade, fire watch, and confined space rescue operations)? |
| 2. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Result in a breach to any security barrier(s) (e.g., HVAC ductwork, fences, doors, walls, ceilings, floors, penetrations, and ballistic barriers)? |
| 3. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cause materials or equipment to be placed or installed within the Security Isolation Zone? |
| 4. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Affect (block, move, or alter) security lighting by adding or deleting lights, structures, buildings, or temporary facilities? |
| 5. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify or otherwise affect the intrusion detection systems (e.g., E-fields, microwave, fiber optics)? |
| 6. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify or otherwise affect the operation or field of view of the security cameras? |
| 7. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify or otherwise affect (block, move, or alter) installed access control equipment, intrusion detection equipment, or other security equipment? |
| 8. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify or otherwise affect primary or secondary power supplies to access control equipment, intrusion detection equipment, other security equipment, or to the Central Alarm Station or the Secondary Alarm Station? |
| 9. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify or otherwise affect the facility's security-related signage or land vehicle barriers, including access roadways? |
| 10. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modify or otherwise affect the facility's telephone or security radio systems? |

Documentation for accepting any "yes" statement for these reviews will be attached to this 50.59 Review or referenced below.

D. INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) SCREENING

If any of the following questions is answered "yes," an ISFSI Review must be performed in accordance with NMM Procedure LI-112, "72.48 Review," and attached to this Review.

Will the proposed Change being evaluated:

- | | <u>Yes</u> | <u>No</u> | |
|-----|--------------------------|-------------------------------------|--|
| 1. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Any activity that directly impacts spent fuel cask storage or loading operations? |
| 2. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve the Independent Spent Fuel Storage Installation (ISFSI) including the concrete pad, security fence, and lighting? |
| 3. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the on-site transport equipment or path from the Fuel Building to the ISFSI? |
| 4. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the design or operation of the Fuel Building fuel bridge including setpoints and limit switches? |
| 5. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the Fuel Building or Control Room(s) radiation monitoring? |
| 6. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the Fuel Building pools including pool levels, cask pool gates, cooling water sources, and water chemistry? |
| 7. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the Fuel Building handling equipment (e.g., bridges and cask cranes, structures, load paths, lighting, auxiliary services, etc)? |
| 8. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the Fuel Building electrical power? |
| 9. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the Fuel Building ventilation? |
| 10. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the ISFSI security? |
| 11. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to off-site radiological release projections from non-ISFSI sources? |
| 12. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to spent fuel characteristics? |
| 13. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Redefine/change heavy load pathways? |
| 14. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Fire and explosion protection near or in the on-site transport paths or near the ISFSI? |
| 15. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the loading bay or supporting components? |
| 16. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | New structures near the ISFSI? |
| 17. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Modifications to any plant systems that support dry fuel storage activities? |
| 18. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Involve a change to the nitrogen supply, service air, demineralized water or borated water system in the Fuel Building? |

IV. 50.59 EVALUATION

License Amendment Determination

Does the proposed Change being evaluated represent a change to a method of evaluation Yes
ONLY? If "Yes," Questions 1 – 7 are not applicable; answer only Question 8. If "No," answer No
 all questions below.

Does the proposed Change:

1. Result in more than a minimal increase in the frequency of occurrence of an accident Yes
 previously evaluated in the FSAR? No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

The accident previously evaluated in the FSAR is discussed in Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power, which is classified as a limiting fault. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1.

The objective of the main steam line break (MSLB) with or without a concurrent LOOP event re-analysis for EPU was to document the impact of:

- o An increase in rated power to 3716 MWt
- o A decrease in the LSGP trip and MSIS actuation setpoints
- o A reduction in CEA worth at trip
- o Transition to the CENTS transient simulation code
- o Change in most negative MTC from $-4.0 \times 10^{-4} \Delta p / ^\circ F$ to $-4.2 \times 10^{-4} \Delta p / ^\circ F$

This revised analysis has been submitted to the NRC for review and acceptance via revised EPU PUR section 2.13.1.3.1, included in Attachment 1 to Entergy Letter W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR.

The LAR and its supplements (refer to ER-W3-2001-1149-015, Section 2.2.6 for a list of letters containing the LAR and supplements) were issued requesting NRC approval for implementation of EPU at the Waterford 3 Steam Electric Station. This submittal encompasses the analyses completed, and methodology utilized in support of the EPU evaluations. In accordance with Section II.A.5 of this 50.59 Review, the validity of this review is dependent on NRC approval of the EPU LAR and is also dependent on a review of the EPU LAR SER (when issued by the NRC) to ensure that the ER and this 50.59 review remain in agreement with the approved SER.

Stating the acceptance criteria in a revised manner (i.e., 24 kw/ft vs. 21 kw/ft) will not impact the frequency of occurrence of the accident. There are no new demands on plant equipment which impact frequency associated with the revised analysis. Additionally, all aspects of the re-analysis of this event, except for the use of 24 kw/ft, is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the FSAR.

2. Result in more than a minimal increase in the likelihood of occurrence of a malfunction of a Yes
 structure, system, or component important to safety previously evaluated in the FSAR? No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

The malfunction previously evaluated in the FSAR is discussed in Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1. The malfunction which initiates this accident is a main steam line pipe break; no specific initiator for the break is given in the original or revised analysis. Other malfunctions of equipment occurring after the initiation of the accident are also discussed in FSAR Section 15.1.3.1.

See response to Question 1 above for the objective of the re-analysis of this event for EPU.

See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU LAR.

This revised analysis has been submitted to the NRC for review and acceptance via revised PUR section 2.13.1.3.1, included in Attachment 1 to Entergy Letter W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR.

Stating the acceptance criteria in a revised manner (i.e., 24 kw/ft vs. 21 kw/ft) will not impact the likelihood of occurrence of malfunctions. There are no new demands on plant equipment which impact likelihood associated with the revised analysis. Additionally, all aspects of the re-analysis of this event, except for the use of 24 kw/ft, is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes result in more than a minimal increase in the likelihood of occurrence of a malfunction of a structure, system, or component important to safety previously evaluated in the FSAR.

3. Result in more than a minimal increase in the consequences of an accident previously evaluated in the FSAR? Yes No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

The accident with radiological consequences previously evaluated in the FSAR is evaluated in Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1. The radiological consequences of this accident was originally evaluated in FSAR Section 15.1.3.1.5.

See response to Question 1 above for the objective of the re-analysis of this event for EPU.

See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU LAR.

This revised analysis has been submitted to the NRC for review and acceptance via revised PUR section 2.13.1.3.1, included in Attachment 1 to W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR. The evaluation of radiological consequences of this accident is contained in revised FSAR section 15.1.3.3.5. Radiological consequences of this accident are not within the scope of this ER, they are evaluated by ER-W3-2004-0276-000, Implementation of Alternate Source Term (AST) which also includes EPU related impact to dose consequences. However, the dose consequence evaluation for MSLB is based on a 2% fuel melt fuel failure, which is either equal to (for TID-14844 source terms) or conservative (for alternate source terms) with respect to an assumed 10% fuel failure due to DNBR (ECS04-004). Stating the acceptance criteria for evaluating fuel melt in a revised manner (i.e., 24 kw/ft vs. 21 kw/ft) has not impacted the fuel failure limits for EPU, as described in the PUR and its supplements. Thus, since the amount of fuel failure permitted has not changed, there is no increase in the consequences of the event.

Additionally, all aspects of the re-analysis of this event, except for the use of 24 kw/ft, is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes result in more than a minimal increase in the consequences of an accident previously evaluated in the FSAR.

4. Result in more than a minimal increase in the consequences of a malfunction of a structure, system, or component important to safety previously evaluated in the FSAR? Yes No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

The malfunction with radiological consequences previously evaluated in the FSAR is evaluated in Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1. The radiological consequences of this malfunction was originally evaluated in FSAR Section 15.1.3.1.5. The malfunction which initiates this accident is a main steam line pipe break. Other malfunctions of equipment occurring after the initiation of the accident are also discussed in FSAR Section 15.1.3.1.

See response to Question 1 above for the objective of the re-analysis of this event for EPU.

See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU LAR.

This revised analysis has been submitted to the NRC for review and acceptance via revised PUR section 2.13.1.3.1, included in Attachment 1 to W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR. The evaluation of radiological consequences of this accident is contained in revised FSAR section 15.1.3.3.5. Radiological consequences of this accident are not within the scope of this ER, they are evaluated by ER-W3-2004-0276-000, Implementation of Alternate Source Term (AST) which also includes EPU related impact to dose consequences. However, the dose consequence evaluation for MSLB is based on a 2% fuel melt fuel failure, which is either equal to or conservative with respect to an assumed 10% fuel failure due to DNBR (ECS04-004) Stating the acceptance criteria for evaluating fuel melt in a revised manner (i.e., 24 kw/ft vs. 21 kw/ft) has not impacted the fuel failure limits for EPU, as described in the PUR and its supplements. Thus, since the amount of fuel failure permitted has not changed, there is no increase in the consequences of the event.

Additionally, all aspects of the re-analysis of this event, except for the use of 24 kw/ft, is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes result in more than a minimal increase in the consequences of a malfunction of a structure, system, or component important to safety previously evaluated in the FSAR.

5. Create a possibility for an accident of a different type than any previously evaluated in the FSAR? Yes No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

This evaluation is restricted to the re-analysis, for EPU, of an accident previously evaluated in the FSAR, i.e., Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power, which is classified as a limiting fault. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1. The reanalysis did not create a different type of accident.

See response to Question 1 above for the objective of the re-analysis of this event for EPU.

See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU LAR.

This revised analysis has been submitted to the NRC for review and acceptance via revised PUR section 2.13.1.3.1, included in Attachment 1 to Entergy Letter W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR.

All aspects of the re-analysis of this event, except for the use of 24 kw/ft, is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes create a possibility for an accident of a different type than any previously evaluated in the FSAR.

6. Create a possibility for a malfunction of a structure, system, or component important to safety with a different result than any previously evaluated in the FSAR? Yes No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

This evaluation is restricted to the re-analysis, for EPU, of an accident, caused by a malfunction (steam line pipe break), previously evaluated in the FSAR, i.e., Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power, which is classified as a limiting fault. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1. The reanalysis did not create a malfunction with a different result, i.e., the malfunction (steam line pipe break) still results in a Limiting Fault "Increase in Heat Removal by the Secondary System (Turbine Plant)" type accident defined in FSAR Section 15.1.3.1.

See response to Question 1 above for the objective of the re-analysis of this event for EPU.

See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU LAR.

This revised analysis has been submitted to the NRC for review and acceptance via revised PUR section

2.13.1.3.1, included in Attachment 1 to Entergy Letter W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR.

All aspects of the re-analysis of this event, except for the use of 24 kw/ft, is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes create a possibility for a malfunction of a structure, system, or component important to safety with a different result than any previously evaluated in the FSAR.

7. Result in a design basis limit for a fission product barrier as described in the FSAR being exceeded or altered? Yes No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

Evaluation of the Fuel Melt Criteria used for Return to Power Steam Line Break with No Loss of Offsite Power

Discussion of Transient

The Return to Power Steam Line Break (RTP SLB) with No Loss of Offsite Power (LOOP) postulates a rupture in one of the main steam lines between the steam generators (SGs) and the turbine. In the presence of a negative MTC, the reductions in RCS temperature add positive reactivity to the core reducing the amount by which the core is subcritical.

Core power can increase due to the return to criticality and, due to the very high local peaking, the local power can approach the fuel melt fuel safety limit even though core average power is only a few percent of rated.

History of the Fuel Melt Safety Limit

As originally written, the Waterford-3 Technical Specification contained the following fuel safety limit,

Peak Linear Heat Rate

2.1.1.2 The peak linear heat rate (adjusted for fuel rod dynamics) of the fuel shall be maintained less than or equal to 21.0 kw/ft.

The Technical Specification quotes the calculated steady state linear heat rate that corresponds to center line melt (21 kw/ft), but also contains provision for adjustment for fuel rod dynamics.

The RTP SLB with no LOOP had always demonstrated that the steady state safety limit on linear heat rate was not exceeded. For previous analyses, this entailed demonstrating that the peak linear heat rate remained below 21 kw/ft. Hence there was no need to adjust for fuel rod dynamics.

The Subcritical and HZP CEA withdrawal events have typically resulted in linear heat rates in the neighborhood of 30 kw/ft. While this is nominally above the steady state limit on linear heat rate, the brief period of time in which these events were producing sensible core heat, meant that the increase in fuel temperatures remained well below the temperatures at which fuel melting would occur.

Acceptability of the results of these events has been done by performing an adiabatic energy deposition evaluation. So while these events reported high LHR, the fuel temperatures have been validated to remain acceptable when fuel rod dynamics were considered. The Waterford-3 FSAR has long documented this alternative method of demonstrating fuel integrity.

In 2002, during the review of the Waterford 3 Appendix K margin recovery power uprate request, the NRC noticed that the results for the two CEA withdrawal scenarios exceeded the steady state limit as specified in the plant technical specifications. The NRC stated in the Safety Evaluation for Amendment 181, which addressed this issue, that:

"The two AOOs for which the PLHR Safety Limit is exceeded are the CEA Withdrawal events from Subcritical and Low Power conditions. These events and their acceptance criteria are discussed in Standard Review Plan (SRP) Section 15.4.1. While the current Safety Limit of 21 kw/ft is exceeded during two AOOs, the peak fuel centerline temperature does not exceed the melting point, which is the true acceptance criteria for this event."

The actual safety limit was subsequently changed to more directly indicate that fuel melting was the criteria being protected against. Technical Specification 2.1.1.2 safety limit was revised from "Peak Linear

Heat Rate" to "Peak Centerline Fuel Temperature" and revised, per Amendment 181, to read,

Peak Centerline Fuel Temperature

2.1.1.2 The peak fuel centerline temperature shall be maintained less than 5080 °F (decreasing by 58 °F per 10,000 MWD/MTU for burnup and adjusting for burnable poisons per CENPD-382-P-A)

The technical specification bases associated with the revised technical specification safety limit for Peak Centerline Fuel Temperature included the following,

A steady state peak linear heat rate of 21 kw/ft has been established as the Limiting Safety System Setting to prevent fuel centerline melting during normal steady state operation. Following design basis anticipated operational occurrences, the transient linear heat rate may exceed 21 kw/ft provided the fuel centerline melt temperature is not exceeded.

Thus the basis of the new technical specifications recognized transient results in excess of 21 kw/ft, provided that additional analytical steps demonstrated that the fuel centerline melt safety limit was not exceeded.

As stated in the Safety Evaluation for Amendment 181 which changed the above safety limit, this safety limit is applicable for normal operation and anticipated operational occurrences (AOOs). Additionally, it states that:

"The intent of the Peak Linear Heat Rate (PLHR) Safety Limit is to prevent the fuel centerline temperature from reaching the melting point, which conservatively assures that there will be no breach in cladding integrity."

Power Uprate Analysis

The RTP SLB with no LOOP performed for power uprate resulted in linear heat rates in excess of 21 kw/ft. The peak linear heat rate for the event was however demonstrated to be below 24 kw/ft (i.e., 22.8 kw/ft per Table 2.13.1.3.1-6 of the revised LAR PUR per Attachment 1 of W3F1-2004-0096).

A study performed several years ago (8067-PHR-139, Rev 00 "Return-to-Power Steam Line Break Analysis for Calvert Cliffs Unit 1 Cycle 8," May 23, 1985) demonstrated that for 14x14 fuel, at steam line break coolant conditions, fuel melting would not occur until linear heat rates were in excess of 24 kw/ft. This study used STRIKIN II to perform a detailed fuel temperature calculation at these high linear heat rate – steam line break conditions. A comparison between the coolant conditions in the 14x14 evaluation and the Waterford-3 power uprate conditions were included in calculation CN-TAS-02-97. The comparison showed good agreement between the coolant conditions. Additionally, it was noted that the study was on 14x14 fuel, larger diameter than Waterford-3 16x16 fuel. Thus, for a given linear heat rate, the Waterford-3 fuel would predict lower fuel temperatures.

It was therefore concluded in CN-TAS-02-97 that demonstrating that the maximum linear heat rate of 24 kw/ft was a still conservative method of demonstrating that fuel melt would not occur and that the results of the RTP SLB with no LOOP still demonstrate no fuel failure due violation of the fuel melt safety limit. Thus, the requirements of Technical Specifications 2.1.1.2 are met.

Literature Search

Section 7.2.1.1.1.3 of the FSAR contains reference to 21 kw/ft as the setpoint for the high local power density trip. At the time of the revised technical specification, it was decided not to pursue relief on this setpoint in the CPCs. The presence of this conservative lower trip setpoint does not invalidate the use of alternative calculations which justify a higher linear heat rate as the onset of fuel melt. Note that since the CPCs must protect against slowing changing power increases, the use of a steady state limit for linear heat rate (such as 21 kw/ft) is appropriate.

Section 7.2.2.1.1 of the FSAR mentions that AOOs should not violate the 21 kw/ft fuel safety limit which corresponds to the onset of fuel melting. Its inclusion as an absolute limit in the current FSAR is in disagreement with the methodology described elsewhere in the current FSAR for CEA withdrawal (see next). This is being addressed in the Chapter 7 ER for EPU, ER-W3-2001-1149-007.

Section 15.4.1.1.3 of the FSAR describes the current analytical method for CEA withdrawal in which this AOO violates the old 21 kw/ft safety limit on linear heat rate but demonstrates compliance with the underlying "no melt" criteria by an alternative calculation. The use of an alternative calculation to demonstrate that no melt would occur at an elevated linear heat rate is specifically anticipated by the

bases to technical specification 2.1.1.2.

There are no Westinghouse topical reports to the NRC which specify methodology for application to Waterford-3 steam line break transients which specify the use of a 21 kw/ft linear heat rate limit for RTP SLB with No LOOP.

Conclusion:

The only issue to address in this 50.59 evaluation is the use of 24 kw/ft; not that the new analysis results in adverse results. Entergy letter W3F1-2004-0096 already addresses the issue concerning that the results of the analysis is more adverse than pre-EPU and gives the LHGR as 22.8 kw/ft vs. the original value of 20.7 kw/ft. See revised PUR Section 2.13.1.3.1 attached to letter W3F1-2004-0096 where it states in section 2.13.1.3.1.6, Analysis Results, "It is seen that the response for the power uprate is slightly more adverse than the current power level. A limited extent of SAFDL violation is seen to occur for these inside containment steam line breaks." Therefore, the NRC is reviewing that issue as part of the submittal.

The issue of fuel centerline melting point is related to a design basis limit for a fission product barrier as described in the FSAR, however, the issue of using the value of 24 kw/ft does not, in itself, result in the exceedance or alteration of this design basis limit. Westinghouse used 24 kw/ft for expediency only.

Westinghouse performed their analysis (CN-TAS-02-97 Rev 1) and found that the LHGR was greater than 21 kw/ft (i.e., 22.8kw/ft). They referred to a calculation they had already performed, 8067-PHR-139, Rev 00 "Return-to-Power Steam Line Break Analysis for Calvert Cliffs Unit 1 Cycle 8," May 23, 1985. Calculation CN-TAS-02-97 Rev 1 Section 4.2 states:

Hand Calculation #6 of 8067-PHR-139, Rev 00 examines the threshold of fuel melting during SLB conditions. Several STRIKIN-II cases were created with conditions mirroring the core conditions (reduced coolant temperatures, etc) at the time of peak return to power for this Calvert Cliffs analysis. It is seen that the threshold of core melting occurred with local conditions consistent with a core power level of 10,700 MWt. As Calvert is a 2700 MWt plant and the average linear heat rate of a Calvert 14x14 assembly is -6.5 KW/Ft, the onset of melting is predicted to occur at a linear heat rate of $(10,700/2,700) * 6.5 = 25.7$ KW/Ft. Additionally, as the 16x16 fuel rods used at Waterford-3 is of smaller diameter, it will have lower fuel temperature for a given linear heat rate. Thus examination of the Reference 16 work supports the use of a 24 kw/ft as the LHGR limit before melt for SLB accident conditions herein. The use of this figure of merit is limited to the no-LOOP SLB cases.

As stated above, in the Calvert Cliffs' calculation they had back calculated what the LHGR would be if fuel centerline melt were to occur; it was on the order of 26 kw/ft. So they said that 24 is less than 26 and 22.8 is less than 24 and therefore fuel centerline melt would not occur. This comparison of results was to preclude performing the calculation to actually determine what the centerline temperature would be, i.e., it was essentially a short cut.

As state earlier, in the NRC's Safety Evaluation for Amendment 181 for changing Technical Specification 2.1.1.2 the NRC acknowledges that "*While the current Safety Limit of 21 kw/ft is exceeded during two AOOs, the peak fuel centerline temperature does not exceed the melting point, which is the true acceptance criteria for this event.*" Therefore, the true acceptance criteria is fuel centerline temperature does not exceed the melting point.

Therefore, 24 kw/ft is not a new acceptance criteria for WF3 its use was only a expedient method of comparing results from two analysis and determining the there is no fuel centerline melt and is only used for this event. The results of the analysis for this event following EPU, continues to show that the requirements of Technical Specifications 2.1.1.2 are met.

Therefore, the use of 24 kw/ft is not a change to or result in exceeding a design basis limit for a fission product barrier as described in the FSAR but just the method used for documenting the acceptance criteria (fuel centerline melt temperature not exceeded) was met for the SLB RTP event.

As stated above, the accident response for power uprate is slightly more adverse than the current power level. A limited extent of SAFDL violation is seen to occur for the inside containment steam line breaks. This is discussed in revised PUR section 2.13.1.3.1, revised per Attachment 1 to W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR.

See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU

LAR.

The overall re-analysis of this event and the resulting adverse response is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes result in a design basis limit for a fission product barrier as described in the FSAR being exceeded or altered and the use of 24 kw/ft is not a new acceptance criteria for WF3 its use was only a expedient method of comparing results from two analysis and determining that there is no fuel centerline melt.

8. Result in a departure from a method of evaluation described in the FSAR used in establishing the design bases or in the safety analyses? Yes No

BASIS:

Regarding FSAR Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power:

The method of evaluation previously evaluated in the FSAR is discussed in Section 15.1.3.1, Steam System Piping Failures Post-Trip Return-to-Power. This accident was re-evaluated for EPU in calculation CN-TAS-02-97 Rev 1.

This revised analysis has been submitted to the NRC for review and acceptance via revised PUR section 2.13.1.3.1, included in Attachment 1 to Entergy Letter W3F1-2004-0096 which is supplemental to the EPU LAR NPF-38-249. FSAR Section 15.1.3.1 has been revised to reflect the re-analysis and is in agreement with the EPU LAR.

Revised PUR Section 2.13.1.3.1.4, Analysis Overview, states that: "The methodology used in this analysis is the same as that used in the analysis of record." It also states that the objective of the main steam line break (MSLB) with or without a concurrent LOOP event re-analysis for EPU was to document the impact of:

- o An increase in rated power to 3716 MWt
- o A decrease in the LSGP trip and MSIS actuation setpoints
- o A reduction in CEA worth at trip
- o Transition to the CENTS transient simulation code
- o Change in most negative MTC from $-4.0 \times 10^{-4} \Delta p / ^\circ F$ to $-4.2 \times 10^{-4} \Delta p / ^\circ F$

The acceptability of using of the CENTS code is part of the EPU LAR submittal. The LAR is currently awaiting NRC approval. See response to Question 1 above regarding the relationship and validity of this evaluation to the EPU LAR.

The re-analysis of this event is being reviewed by the NRC in the EPU LAR, therefore, evaluation of this event is not required under 50.59 to determine if the changes result in a departure from a method of evaluation described in the FSAR used in establishing the design bases or in the safety analyses.

If any of the above questions is checked "YES", obtain NRC approval prior to implementing the change by initiating a change to the Operating License in accordance with NMM Procedure ENS-LI-113.