

## **Enclosure 5 to E-51440**

### **Listing of the TN International SAR Changes, Chapter by Chapter**

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The TNF-XI Safety Analysis Report (SAR), DOS-06-00037028-000, Revision 9, dated June 1 2017, identified as the Table of Contents for the TNF-XI, hereby referred to as the SAR is comprised of individual chapter documents. Each chapter document is assigned a Document Number. For example Chapter 00, Introduction to the Safety Analysis Report, is assigned DOS-06-00037028-001. Each revision to the TNF-XI SAR, DOS-06-00037028-000 is comprised of a revision to one or more individual chapter documents. The revision number of the chapter documents corresponds by date only to the revision number of the SAR. The revision number for the chapter document changes only when the chapter document is revised. For example, Revision 5 to Chapter 00, was approved in March 2017, and this revision corresponds to Revision 9 of the SAR. A record of revisions is provided in the SAR and each of the individual chapters. A summary of the revisions to the chapter documents since the submittal of Revision 7 to the SAR in July 2016 is provided as follows:

Document Number DOS-06-00037028-000		Description: Table of Contents for TNF-XI Safety Analysis Report
Rev	Date	Modification
8	March 2017	Chapters 00 and 00-1: content number 8 added Chapter 00-2: cross reference updated Chapter 0A: precision in the description of the content number7, content number 8 added Chapter 5A updated Chapter 5A-6 created
9	June 2017	Shielding analysis for content number 8 added. Updated chapters 00-1, 00-2, 4A , and 6A

Chapter 00		Document Number DOS-06-00037028-001	Description Introduction to the Safety Analysis Report
Rev	Date	Modification	
5	March 2017	Content 8 Added	

Chapter 00-1		Document Number DOS-06-00037028-002	Description: Summary of TNF-XI Safety Analysis Report
Rev	Date	Modification	
6	March 2017	Chapters 0A and 5A: content number 8 added. Chapter 5-6: creation of the chapter for content number8	
7	June 2017	Chapter 4A: content number8 added.	

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Chapter 00-2	Document Number DOS-06-00037028-003	Description: Cross reference table between the regulation paragraphs and the safety analysis report paragraphs
Rev	Date	Modification
2	March 2017	Update of correspondence with IAEA regulations due to Safety Analysis Report modifications
3	June 2017	Update of correspondence with IAEA regulations due to Safety Analysis Report modifications

Chapter 0A	Document Number DOS-06-00037028-006	Description: Description of content
Rev	Date	Modification
6	March 2017	Clarification of the boron concentration of the borated ring Correction of the content number 7 description
7	June 2017	Addition of the content number 8

Chapter 4A	Document Number DOS-06-00037028-400	Description: Dose rate calculations around the TNF-XI packaging model
Rev	Date	Modification
3	June 2017	Modification of the layout of the document (not indicated by the revision sign). Justification for content number 8 added. Calculation cases at 1 meter removed.

Chapter 5A	Document Number DOS-06-00037028-500	Description: Criticality safety analysis of TNF-XI packaging
Rev	Date	Modification
6	March 2017	For content number 7: precision in the content description and in the methodology description Content number 8 added

Listing of the TN International SAR Changes, Chapter by Chapter

Chapter 5A-6		Document Number DOS-06-00037028-506	Description: Criticality safety analysis of TNF-XI packaging loaded with content number 8
<b>Rev</b>	<b>Date</b>		<b>Modification</b>
0	March 2017		Initial Issue

Chapter 6A		Document Number DOS-06-00037028-600	Description: Operating instructions of the packaging
<b>Rev</b>	<b>Date</b>		<b>Modification</b>
5	June 2017		Correction factor 1.8 added for content number 8 for EDR assessment at contact