Contractor Comments and Responses

[This is a reformatting exercise and is NOT a review of the TS. It is necessary because we cannot embed the TS as provided into the SER - there are too many conflicts , strikeout fonts, etc.

We don't know what an SER is, but in order for our facility to keep a detailed record of what has been changed, we prefer to use strikethroughs, font color changes, etc., in order to have a clear running printed record of how this document has evolved, and why it has evolved that way. We are fifteen years into the re-licensing process, and all of our records to date are in this format. We need to stick with this process.

The SER will contain the entire TS file including cover pages and TOC. The text in the TS will then be bookmarked so that embedding via bookmarks and cross-referencing can be done in the SER. **After the SER is complete** these bookmarks and cross-references will be removed using Control-A then Shift-F9. At that point the file will then be simple formatted text.
Observation: when reviewing issues related to the formatting of documents open the Styles and Formatting view (Word 2003 / Format /Styles and Formatting) and then you can see what formatting is used for the document. If you are using Word 2007 or higher check out:
http://www.microsoft.com/en-us/download/details.aspx?id=15614 .
Also, You can see active fields in use (cross-references) by using Word 2003 / Tools / Options / View tab / Field Shading - Always.
Changes:

- All fonts are Arial 11 normal as this is required for the SER.

- We have made this change.

- All places where the degree symbol was a small "o" elevated 3 points have been changed using Word 2003 / Insert / Symbol.

- Our previous submission used this symbol. For reasons unknown to us, when we use this symbol it shows up on the digital display of the document, but does not come through when the document is printed. Why the symbol doesn't transfer when we submit an electronic version of the document is a mystery.

- All references to reactivity are now uniformly %Δk/k; no dk's and no large K's.

- We have made this change.

- Per Chicago Manual of Style temperature references are now 530°F not 530 °F.

- This change has been made.

- All headings use styles H1, H2, and H3. We DO NOT use Heading 1-3 in the TS because when this document is embedded into the SER it must not conflict with Headings used in the SER. H1-3 are auto-numbered so that as changes are made they update the entire text. They are also cross-referenced Word 2003 / Insert / Reference / Cross-Reference.

- Heading have only been used to the extent required in order to have a Table of Contents with updateable page fields.

- All text is Normal.

- We don't know what this means.

- All tech specs use style "a. TS". They auto-number. If you make more then you may need to "restart numbering" from time to time.

- We don't use any auto formatting. Auto formatting is a pain in the neck when one is trying to revise a document. Most of the time that was spent working on this version of our Technical Specifications, was spent trying to figure out how to turn the auto formatting off so that the document would be formatted the way that we want it to be formatted, rather than the way it automatically formatted the document.

- Tables and Figures are Captioned (Word 2003 / Insert / Reference / Caption). They roll up into the TOC. After making some types of changes do Cntrl-A then F9 to re-sync everything.

- We figured out how to include the Tables and Figures in the Table of Contents.

- If you want to show revisions use Word 2003 / Tools / Track Changes, not ~~Strikeouts~~ and Reds.

- As mentioned above, we are going to continue to use strikethroughs and reds so that it is easy to see the difference between the previous version, and the revised version of each change. There is printed record of each version of this document that has been submitted.

- See balloons in the text below.

Comment Balloons:

1. Bullets in Normal text use style "normal bullets"

   In general, the use of Technical Specifications involves being able to point to a specific requirement, which is found in a specific location in the document. The reason for not using very many bullets is because it makes it difficult to reference specific items in the document. For example, in the version of the document that was sent to us by the contractor, there are a series of requirements related to what constitutes a secure reactor that are in bullet form. If there is a debate about whether or not the master switch has to be in the off position and the key must be removed from the lock, in order to reference the requirement we would have to cite:

   Technical Specification § 1, Reactor Secured definition, second hollow bullet under the third solid bullet.

   This doesn't work for us.

2. If you turn on field shading to always then you will see that Spec a to the left is highlighted because it is actually a cross-reference to the actual spec above. Change the spec order and it will update with Cntrl-A F9.

   Re-licensing is one of many things that our staff is in the middle of at present. We are sure that Microsoft Office has many features that might be nice to learn about. However, there just isn't time to become an expert on putting together Word documents. Our goal is to put together a simple document that has a format that is simple and easy to revise. The focus of the review process is to make sure that the technical contents of the document are sound.

3.   Sometimes it is "inches" and sometimes "in" and sometimes "in."

        Units have been spelled out.

4.   %∆k/k Now uniform.

        This change has been made.

5.   20°C Now uniform

        This change has been made.

6.   TS 3.2 It is better TS style to reword these as to be separate specs (a,b,c,d) not a dependent clause.

        This change has been made.

7.   Section 3 Table Since this is captioned it can now be cross-referenced as in 3.2.a.3

        We don't know anything about this.

8.   In some places abbreviations are used (e.g. CS-137). Either is fine, but please be consistent.
9. 1.8×10^{22} Multiply symbol used throughout

        No changes were made to the document sent by the contractor. Consequently, this change should still be in effect throughout the document.

10.   Changed from Helvetica

        This change has been made.

11.   TS 3.9.3 As this is a TS that was joined from 2 TS the Appl. And Obj. may need to be reworded.

        This change has been made.

12.   These are bullets because they are a simple list and not items of the reactor system being controlled. For that reason they are not "specs".

        It would be better to make them a simple list in the spec and not use the bullets.

        Actually, each of the items in the list is a specification. If I want to know where in the document it says that we are required to determine core excess reactivity after a fuel reloading change, we would point to Specification 4.1.1.1.2.3 in the new proposed version of Technical Specifications.

13.   TS 4.2.e It is simpler to refer to Table 1 as in d.1 above.

        See above.

14.   Repeat of comment # 9.