

**From:** Thomas Alexion  
**To:** DMILLAR@entergy.com; SBENNE2@entergy.com  
**Date:** 1/23/03 4:24PM  
**Subject:** RAI FOR LPSI/AOT EXTENSION

Dana, Steve,

See the attached.

Tom

**REQUEST FOR ADDITIONAL INFORMATION**  
**EXTENSION OF LOW PRESSURE SAFETY INJECTION ALLOWABLE OUTAGE TIME**  
**ARKANSAS NUCLEAR ONE, UNIT 2**

1. What is the present annual average core damage frequency (CDF)?
2. What is the present annual average large early release frequency (LERF)?
3. What is the proposed delta LERF/year?
4. What is the proposed incremental conditional large early release probability (ICLERP)?
5. Provide the above information in addition to the delta CDF/year and the incremental conditional core damage probability (ICCDP) for external events. (See the emergency diesel generator allowable outage time application for external events.)
6. Provide additional external events information as is presently being prepared for the emergency diesel generator allowable outage time application, as follows:
  - a. Please describe the methodology used to generate the external events risk numbers, including the final numbers generated for each external event. If aspects of the external events analysis approach used in this application are substantially different from the methods described in previous recent applications (e.g., the power uprate application), please explain and justify the use of the different approach.
  - b. For the fire analyses, as an alternative to justifying the use of a different approach discussed in Question 6.a above, the licensee could describe how this application would impact each of the unscreened fire quadrant analyses and results identified in the June 28, 2001, letter to the U.S. Nuclear Regulatory Commission (NRC) regarding its power uprate application. The NRC staff notes that in this letter, the licensee identified 17 unscreened fire quadrants involving 15 fire areas and provided the associated post-uprate core damage frequency for each quadrant.

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**Subject:** RAI FOR LPSI/AOT EXTENSION  
**Creation Date:** 1/23/03 4:24PM  
**From:** Thomas Alexion

**Created By:** TWA@nrc.gov

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MESSAGE	663	01/23/03 04:24PM

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