

December 2, 2005

Mr. Anthony L. Patko, Director
Licensing
NAC International, Inc.
3930 East Jones Bridge Road
Norcross, GA 30092

SUBJECT: SUPPLEMENTAL INFORMATION FOR THE NAC-MAGNASTOR SYSTEM
APPLICATION (TAC NO. L23764)

Dear Mr. Patko:

By letter dated August 31, 2004, NAC International (NAC) submitted an approval request to the U. S. Nuclear Regulatory Commission (NRC) for the MAGNASTOR System. This application proposes a new cask design consisting of a welded stainless steel transportable storage canister (TSC), a transfer cask, and a concrete cask. On May 23, 2005, we issued the staff's request for additional information (RAI) for the MAGNASTOR system. You submitted your response to the RAI on September 29, 2005. You requested a meeting with the review team on October 19, 2005, to discuss your RAI responses. During that meeting you indicated that you would be supplementing your structural response with additional analyses. On October 24, 2005, we conducted a telephone conference with you to discuss some thermal modeling issues that were not appropriate for discussion during the open public meeting. We have had continued telephone discussions regarding the thermal modeling issues without reaching agreement on some of the assumptions and modeling options. On October 26, 2005, we had additional discussions with you regarding your materials and structural supplements and your proposed submittal schedule. You have since informed the staff that you expect to provide your supplement by December 16, 2005.

Although, the information you plan to submit is needed to complete our review, we are continuing our review of your application in the appropriate technical disciplines. When your supplemental information has been submitted, we will propose a new schedule and complete our technical review of the MAGNASTOR application.

Please reference Docket No. 72-1031 and TAC No. L23764 in future correspondence related to this licensing action. If you have any questions, please contact me at (301) 415-8500.

Sincerely,

/RA/

L. Raynard Wharton, Project Manager
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No. 72-1031

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