

April 1, 2011

Mr. Anthony L. Patko  
Director, Licensing Engineering  
NAC International  
3930 East Jones Bridge Road, Suite 200  
Norcross, GA 30092

SUBJECT: APPLICATION FOR THE MODEL NO. MAGNATRAN TRANSPORT CASK –  
SUPPLEMENTAL INFORMATION NEEDED

Dear Mr. Patko:

By letter dated January 19, 2011, as supplemented February 9, 2011, NAC International (NAC) submitted an application for approval of the Model No. MAGNATRAN transport cask. The application proposes using the MAGNATRAN transportation cask system to transport the loaded MAGNASTOR Transportable Storage Canisters (TSCs). The application states the MAGNATRAN transport cask can safely transport up to 37 undamaged PWR fuel assemblies in a 37-assembly PWR basket, or up to 87 undamaged BWR fuel assemblies in an 87-assembly BWR basket. The cask is also designed to transport up to four damaged fuel cans in a PWR Damaged Fuel Basket. Staff performed an acceptance review of your application to determine if the application contains sufficient technical information in scope and depth to allow the staff to complete the detailed technical review.

This letter is to advise you that based on our acceptance review, the application does not contain sufficient technical information. The information needed to continue our review is described in the enclosure to this letter as Request for Supplemental Information (RSI) and Observations. Staff included observations to allow you to start earlier on items containing the potential to be asked at a later date. Responses to observations are not required for staff to begin a detailed technical review. Observations are not the result of a detailed technical review and may be resolved once staff begins a detailed review. In order to schedule our technical review, this information should normally be provided within two weeks; however, NAC has indicated via e-mail correspondence that the RSI responses will be available June 2011, with the exception of testing data for the current impact limiter design. Due to the breadth of the RSIs, the NRC staff plans to suspend the review of your application until RSI responses are received. Upon receiving the RSI responses, the NRC staff will evaluate the information to determine if the supplementary information is responsive to staff's concerns.

We request that you review the RSIs attached to this letter and inform us in writing within two weeks of the date of this letter regarding the actions you intend to take with respect to addressing these RSIs. The staff is available for a public meeting if you wish to discuss these issues in more detail prior to deciding on your course of action. Please reference Docket No. 71-9356 and TAC No. L24511 in future correspondence related to this action.

In addition, the staff is concurrently reviewing MAGNASTOR, Amendment 3, which mirrors many of the attributes of the MAGNATRAN application. During staff's performance of the acceptance review, it was noted that there are differences in proposed contents and configuration between the two applications. The staff notes that only those TSCs that comply

with the conditions of the MAGNATRAN Certificate of Compliance, if issued, will be transportable. As a result, loaded MAGNASTOR TSCs that do not comply with the requested contents in the MAGNATRAN application may not be transportable. Since MAGNATRAN is referenced by NAC as the transportation cask system designed for the MAGNASTOR spent fuel storage cask, please explain in your response the reason for the differing content and configuration between the MAGNATRAN application and MAGNASTOR, Amendment 3. This will aid staff in the efficient and effective review of both applications.

If you have any questions regarding these matters, please contact me at (301)492-3268.

Sincerely,

**/RA/**

Jennie Rankin  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material  
Safety and Safeguards

Docket No. 71-9356  
TAC No. L24511

Enclosure: Request for Supplemental Information and Observations

with the conditions of the MAGNATRAN Certificate of Compliance, if issued, will be transportable. As a result, loaded MAGNASTOR TSCs that do not comply with the requested contents in the MAGNATRAN application may not be transportable. Since MAGNATRAN is referenced by NAC as the transportation cask system designed for the MAGNASTOR spent fuel storage cask, please explain in your response the reason for the differing content and configuration between the MAGNATRAN application and MAGNASTOR, Amendment 3. This will aid staff in the efficient and effective review of both applications.

If you have any questions regarding these matters, please contact me at (301)492-3268.

Sincerely,

**/RA/**

Jennie Rankin  
 Division of Spent Fuel Storage and Transportation  
 Office of Nuclear Material  
 Safety and Safeguards

Docket No. 71-9356  
 TAC No. L24511

Enclosure: Request for Supplemental Information and Observations  
 Distribution: SFST r/f NMSS r/f  
 G:\SFST\Rankin\MAGNATRAN\RSI letter.doc  
 G:\SFST\Rankin\MAGNATRAN\RSIs MAGNATRAN final.docx

**ADAMS Package No.: ML110910432**

|              |           |   |                |  |           |  |           |  |           |  |           |
|--------------|-----------|---|----------------|--|-----------|--|-----------|--|-----------|--|-----------|
| <b>OFC:</b>  | SFST      | E | SFST           |  | SFST      |  | SFST      |  | SFST      |  |           |
| <b>NAME:</b> | JRankin   |   | REinziger      |  | ZLi       |  | VWilson   |  | DTang     |  | JBorowsky |
| <b>DATE:</b> | 3/28/2011 |   | 3/30/2011      |  | 3/29/2011 |  | 3/29/2011 |  | 3/29/2011 |  | 3/30/2011 |
| <b>OFC:</b>  | SFST      |   | SFST           |  | SFST      |  | SFST      |  | SFST      |  | SFST      |
| <b>NAME:</b> | MRahimi   |   | NGarcia-Santos |  | DPstrak   |  | MDeBose   |  | MWaters   |  |           |
| <b>DATE:</b> | 3/30/2011 |   | 3/30/2011      |  | 3/30/2011 |  | 3/31/11   |  | 4/1/11    |  |           |

**C = COVER    E = COVER & ENCLOSURE    N = NO COPY    OFFICIAL RECORD COPY**