

February 13, 2009

Ms. Tammy S. Morin  
Acting Licensing Manager  
Holtec International  
Holtec Center  
555 Lincoln Drive West  
Marlton, NJ 08053

SUBJECT: RENEWAL OF CERTIFICATE OF COMPLIANCE NO. 9261 FOR THE MODEL  
NO. HI-STAR 100 PACKAGE

Dear Ms. Morin:

As requested by your letter dated January 23, 2009, enclosed is Certificate of Compliance No. 9261, Revision No. 6, for the Model No. HI-STAR 100 package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471. This approval constitutes authority to use the package for shipment of radioactive material and for the package to be shipped in accordance with the provisions of 49 CFR 173.471.

If you have any questions regarding this certificate, please contact me or Pierre Saverot of my staff at (301) 492-3408.

Sincerely

**/RA/**

Eric Benner, Chief  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9261  
TAC No. L24306

Enclosures: 1. Certificate of Compliance  
No. 9261, Rev. No. 6  
2. Safety Evaluation Report  
3. Registered Users

cc w/encls: R. Boyle, Department of Transportation  
J. Shuler, Department of Energy  
Registered Users

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## SAFETY EVALUATION REPORT

Docket No. 71-9261  
Model No. HI-STAR 100 Package  
Certificate of Compliance No. 9261  
Revision No. 6

### SUMMARY

By letter dated January 23, 2009, Holtec International requested renewal of Certificate of Compliance No. 9261 for the Model No. HI-STAR 100. Holtec International did not request any changes to the package design, or operating procedures, acceptance tests and maintenance program of the package. The certificate has been renewed for an additional five year period.

### EVALUATION

By letter dated January 23, 2009, Holtec International requested renewal of Certificate of Compliance No. 9261 for the Model No. HI-STAR 100. Holtec International did not request any changes to the package design, or operating procedures, acceptance tests and maintenance program of the package. The staff reviewed the package application dated October 9, 2006, in support of the renewal request and determined that the documentation was available and complete.

A new Condition No. 11 was added to clarify that fissile material is not authorized for air transport since the package was not evaluated per the requirements of 10 CFR 71.55(f).

A new Condition No. 12 was added to replace Condition No. 11 in Revision No. 5 of the certificate and allow the previous revision of the certificate to be used for a period of approximately one year.

A new Condition No. 13 was added to replace Condition No. 12 in Revision No. 5 of the certificate and change the expiration date to March 31, 2014.

Table A-12 of Appendix A to the certificate was revised to correct typographical errors in the equations for configuration C of fuel assemblies with either a 15x15 or a 17x17 array.

### CONCLUSION

The certificate has been renewed for a five year term. These changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9261, Revision No. 6,  
on February 13, 2009.