



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

August 6, 2015

Dr. Richard Wassenaar
Best Theratronics
413 March Road
Ottawa, Ontario
Canada K2K 0E4

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9310, REVISION NO. 6, FOR THE MODEL NO. F-431 TRANSPORT PACKAGE (TAC NO. L25027)

Dear Dr. Wassenaar:

As requested by your application dated June 8, 2015, enclosed is Certificate of Compliance No. 9310, Revision No. 6, for the Model No. F-431 transport package. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's safety evaluation report is also enclosed.

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. 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.

If you have any questions regarding this certificate, please contact me or Norma Garcia Santos of my staff at (301) 415-6999.

Sincerely,

/RA/

Michele Sampson, Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9310
TAC No. L25027

Enclosures: 1. Certificate of Compliance
No. 9310, Rev. No. 6
2. Safety Evaluation Report
3. Registered Users

Upon removal of Enclosure 3, this document is uncontrolled.

cc w/encls 1 & 2: R. Boyle, Department of Transportation
J. Shuler, Department of Energy, c/o L.F. Gelder

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This closes TAC No. L25027.

[G:\SFST\PART 71 CASEWORK\71-9310 Ltr and SER R6.docx](#); and [\71-9310 CoC R6](#)

ADAMS P8 Package Accession No.: ML15223A923 Letter and SER: ML15223A958

CoC: ML15223A965 RUsers: ML15223A970

OFC	SFM		SFM		SFM		SFM			
NAME	NGarcia		MDeBose		MSampson					
DATE	7/30/15		7/30/15		8/6/15					

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

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**SAFETY EVALUATION REPORT
Docket No. 71-9310
Model No. F-431 Transport Package
Certificate of Compliance No. 9310
Revision No. 6**

SUMMARY

By application dated June 8, 2014, Best Theratronics (the applicant) requested adding a new Cesium-137 (^{137}Cs) source (i.e., C3100) as authorized contents for the Model No. F-431 transport package. Best Theratronics did not request any additional changes to the package design or its authorized contents. The revision of the certificate has been approved.

EVALUATION

The staff reviewed the applicant's request to add a new special form ^{137}Cs sealed source as authorized contents of the Model No. F-431 package as a replacement for sealed source C3001. In its letter dated June 8, 2015, the applicant stated that the new sealed source C3100 (certificate CDN/0035/S-96) is identical to C3001, a ^{137}Cs source already approved for transport in Model No. F-431. As a result, the applicant revised the device certificates for the Gamma Cells GC1000 and GC3000 and the design of these devices remained the same as approved in the certificate of compliance for the Model No. F-431, Revision 5. There were no changes to the package design to accommodate this new source nor to the operating and maintenance procedures for the package.¹

CONDITIONS

Condition No. 5.(b)(1)(i) has been revised to add special form sealed source C3100.

The references section has been updated to include the date of the certificate revision request.

¹ Per the staff's request, on July 14, 2015, the applicant submitted a copy of the document titled "F-431 Transport Package Safety Analysis Report," Revision 2, dated April 14, 2004 (ADAMS Accession No. ML15183A180). The transmittal letter for the 2004 submittal was dated April 16, 2004. The staff did not perform a proprietary determination as part of the 2015 review because the staff already performed a proprietary determination when the applicant submitted this document in 2004 (ADAMS Accession No. ML041280129).

CONCLUSION

Based on the statements contained in the application, and the conditions listed above, the staff concludes that the changes indicated do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9310, Revision No. 6,
on August 6, 2015.