

April 14, 2011

Mr. Olson
Columbiana Hi Tech, LLC
1802 Fairfax Road
Greensboro, North Carolina 27407

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9196 FOR MODEL NO. UX-30 Package
(TAC NO. L24527)

Dear Mr. Olson:

As requested by your letter dated March 29, 2011, as endorsed by EnergySolutions letter dated March 29, 2011, enclosed is Certificate of Compliance No. 9196, Revision No. 26, for your Model No. UX-30 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. The 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 at (301) 492-3297 or Alexis Sotomayor of my staff at (301) 492-3291.

Sincerely,

/RA/

Michael D. Waters, Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9196
TAC No. L24527

Enclosures: 1. Certificate of Compliance
No. 9196, Rev. No. 26
2. Safety Evaluation Report
3. Registered Users

cc w/encl. 1&2: R. Boyle, Department of Transportation
J. Schuler, Department of Energy
Registered Users

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ADAMS Package No.: ML111040191

OFC	SFST	SFST	SFST	SFST	SFST	SFST
NAME	A.Sotomayor-Rivera	M. Gordon	D. Pstrak	M. DeBose	M. Waters	
DATE	4/13 /11	4/13/11	4/13/11	4/13 /11	4/14 /11	/ /11

SAFETY EVALUATION REPORT

Docket No. 71-9196
Model No. UX-30 Package
Certificate of Compliance No. 9196
Revision No. 26

SUMMARY

By application dated March 29, 2011, Energy Solutions Inc., submitted an amendment request for Certificate of Compliance (CoC) No. 9196 for the UX-30 for UF₆ cylinder transportation package. The amendment requests changes to the maintenance program of the UX-30 Package, and to transfer the CoC from EnergySolution Inc. to Columbia Hi Tech, LLC. A reference to the American Society of Mechanical Engineers (ASME) Code for the qualification of inspection personnel was removed and replaced by language requiring that the inspection personnel be certified under a non-ASME Code Quality Program following written procedures. The applicant also specified the acceptance criteria for examination of the welds be modified.

EVALUATION

Subsection NF of Section III of the ASME Code requires the use of Section V for examination methodology, which invokes Subsection A and Article 1, "Nondestructive Methods of Examination." Subarticle T-120(f) permits the use of international and central certification programs for the qualification of individuals performing non-destructive tests. Thus, the references to examiners being qualified under a certified Quality Program having a written practice are consistent with the requirements of the ASME Code. In this instance, the staff finds that visual examinations of the overpack conducted by individuals qualified to a program established by the user acceptable.

The acceptance criteria for welds on the UX-30 overpack match those in Subsection NF, with the exception that the indications per unit area was replaced by a limit on the maximum indications per linear inch and linear foot. Given the geometry of the welds on the UX-30 overpack, this modification to the previously approved acceptance criteria for welds does not negatively impact the safety of the overpack. The staff finds this change acceptable.

CONCLUSION

Based on the statements and representations in the application, the NRC staff has reviewed the proposed changes for the UX-30 overpack. The staff concludes the changes indicated for the UX-30 overpack maintenance program does not affect the ability of the designs to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9196, Revision No. 25 on April 14, 2011.