

NOVEMBER 7, 2005

Mr. Donald W. Olson
President
Columbiana Hi Tech, LLC
1802 Fairfax Road
Greensboro, N.C. 27407

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR REVIEW OF THE MODEL
NO. ECO-PAK LIQUI-RAD (LR) TRANSPORT UNIT PACKAGE

Dear Mr. Olson:

This refers to your application dated August 5, 2005, requesting amendment of Certificate of Compliance No. 9291 for the Model No. Eco-Pak Liqui-Rad (LR) Transport Unit Package.

In connection with the staff's review, we need the information identified in the enclosure to this letter. We request that you provide this information by December 15, 2005. Inform us at your earliest convenience, but no later than December 1, 2005, if you are not able to provide the information by that date. To assist us in re-scheduling your review, you should include a new proposed submittal date and the reason for the delay.

Please reference Docket No. 71-9291 and TAC No. L23883 in future correspondence related to this request. The staff is available to meet to discuss your proposed responses. If you have any questions regarding this matter, I may be contacted at (301) 415-8500.

Sincerely,

/RA/

Shawn A. Williams, Project Engineer
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9291
TAC No. L23883

Enclosure: Request for Additional Information

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Request for Additional Information
Columbiana Hi Tech, LLC
Docket No. 71-9291
Model No. Eco-Pak Liqui-Rad (LR) Transport Unit Package
Certificate of Compliance No. 9291

By application dated August 5, 2005, Columbiana Hi-Tech, LLC, requested amendment of Certificate of Compliance No. 9291 for the Model No. Eco-Pak Liqui-Rad (LR) Transport Unit Package to include the designation "-96" in the identification number, as specified in 10 CFR 71.19(e).

This request identifies additional information needed by the U.S. Nuclear Regulatory Commission (NRC) staff in connection with its review of the application. Each individual RAI describes information needed by the staff for it to complete its review of the application and the SAR to determine whether the applicant has demonstrated compliance with the regulatory requirements.

- 1-1 Provide a consolidated application. Ensure the consolidated application includes all the pertinent information referenced in the certificate as well as legible drawings.

The certificate references include numerous supplements including six revisions of the Safety Analysis Report (SAR). The large number of supplements and revisions leads to areas of confusion, for example, the text in the containment chapter was expanded to page 4-4 apparently affecting the numbering of all subsequent chapter pages, yet only page 4-6 was submitted.

This information is requested in accordance with 10 CFR 71.39, and 10 CFR 71.7(a).

- 1-2 Clearly show that the package meets the current regulatory requirements that became effective on October 1, 2004 (69 FR 3698).

The applicant should address each of the 14 issues that were adopted in the new rule. For each issue, identify if the change is applicable to this package, and if so, explain how the package meets the new rule including the location in the consolidated SAR of any revision that was made to meet the new rule.

This information is requested in accordance with 10 CFR 71.7(a).

- 1-3 Correct the A_2 value for the mixture shown in two places on Page 4-2.

Page 4-2 shows the A_2 value for the mixture to be 0.195 Ci which conflicts with the value of 0.192 Ci determined in Table 4-2.

This information is requested in accordance with 10 CFR 71.7(a).

- 1-4 Include the pre-shipment leakage test in Chapter 8 and its associated maximum leakage rate criterion of 1×10^{-3} ref-cc/sec.

Section 4.2.3 of the SAR states the pre-shipment leakage test is described in Section 7 and 8. The revised Chapter 8 does not mention the pre-shipment leakage test.

This action is requested in accordance with the provisions of 10 CFR 71.7(a), Regulatory Guide 7.9 and NUREG-1609.

- 1-5 Delete the wording “without opening the containment boundary” in Chapter 1, Section 1.2.2 vi.

Venting of the annulus space with the valve located on the outer lid is not related to the containment boundary. The containment boundary extends to the secondary lid and seal and not beyond into the annulus or outer lid. (Refer to Section 4.1)

This action is requested in accordance with the provisions of 10 CFR 71.7(a).