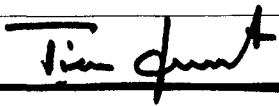


NRC FORM 699 (9-2003)		U.S. NUCLEAR REGULATORY COMMISSION		DATE 05/26/2010
CONVERSATION RECORD				TIME 2:30pm
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU Mike Arnold		TELEPHONE NO. 423-646-1864	TYPE OF CONVERSATION <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING	
ORGANIZATION Century Industries				
SUBJECT RAI for the Model No. Versa-Pac Package				
SUMMARY (Continue on Page 2)				
NRC participants: Eric Benner, Meraj Rahimi, Raynard Wharton, Pierre Saverot, Huda Akhavannik, Ray Lorson				
In connection with the staff's review of the Model No. Versa-Pac package application, a conference call was held with Century Industries on May 26, 2010.				
The applicant requested clarification of the Request for Additional Information (RAIs) provided by letter dated May 25, 2010, and indicated that much of the information requested was already provided in the Safety Analysis Report (SAR).				
Regarding the first RAI on thermal performance, the applicant said that it is correct that damages from the drop and puncture tests include some tears and an opening at the interface of the drum closure lid and drum rim. However, the applicant stated that, due to the configuration of the package design, the tears and opening are "sealed by the packing of the metals", and that, as a consequence, there is no additional heat transfer path. The applicant also said that no deformation occurred to the other components mentioned in the RAI. The applicant also stated that "conservative measurements" were used for the thermal modeling of the package to provide additional conservatism. Staff explained that the modeling for Hypothetical Accident Conditions (HAC) did not appear to be based on the damaged package configuration and that it was not clear how this could impact the package performance since there is not much margin between 600 F and 548 F. Staff also indicated that the SAR needed to adequately explain the thermal impact, or lack thereof, of the damaged package. The applicant indicated that that it will consult with its thermal engineer and likely wish to speak with staff again for further clarifications.				
Regarding the second RAI on the demonstration of Quality Assurance (QA) programmatic controls during the preparation of the package application, staff indicated that it was not completely able to make a regulatory finding because the records for design verification were incomplete, and that this RAI was included as a licensing action as an expeditious pathway to potentially allow issuance of the certificate of Compliance (CoC) for the Model No. Versa-Pac package.				
<i>Continue on Page 2</i>				
ACTION REQUIRED				
NAME OF PERSON DOCUMENTING CONVERSATION Pierre Saverot		SIGNATURE 	DATE 06/01/2010	
ACTION TAKEN				
TITLE OF PERSON TAKING ACTION		SIGNATURE OF PERSON TAKING ACTION		DATE

CONVERSATION RECORD (Continued)

SUMMARY (Continue on Page 3)

The applicant indicated the following:

- (1) For all three revisions of the SAR, all review checklists are documented, signed, and currently available.
- (2) The applicant has used Montgomery Engineering Technical Services (METS) for many years, METS has been added to the applicant's Approved Vendor List, and the purchase order to METS has been amended to more fully describe the services that were provided. The applicant further stated that METS has previously worked on a number of package applications that were approved by the NRC.
- (3) Four series of full scale tests were conducted using specifications that were identified by the applicant and reviewed. The test plans were reviewed and performed under QA programmatic controls and Babcock & Wilcox (one of the customers for the package) witnessed some tests.
- (4) All equipment was properly calibrated and the associated records are available, and are traceable to the National Institute of Standards and Technology (NIST). The applicant further indicated that most are already included in the SAR (the missing torque wrench calibration records was an oversight).
- (5) The thermal modeling was performed with the ALGOR program, while the criticality modeling was performed with the SCALE program.

The applicant then asked what documents should be provided in response to this RAI. Staff indicated that (i) all review checklists with signatures and dates for both the reports and the testing, (ii) the amended METS purchase order and any documentation indicating roles and responsibilities for development of the package and associated application, (iii) all calibration records for test equipment, (iv) fabrication control records for the prototype packages, and (v) cover sheet of operating procedures (but not the procedure itself) would constitute a good basis for responding to this RAI.

The applicant stated that it was "anxious" to receive the CoC, and asked when the CoC will be issued if the responses provided are satisfactory. Staff said that it will have to review the responses before committing to a date.

The applicant also said that it was conducting a "dry run" for the fabrication of the package this week, that all corrective actions had been completed and that an internal audit of the QA program will be conducted the first week of June in response to the findings of the inspection report.

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