

April 29, 2008

MEMORANDUM TO: Dr. Brian Sheron, Director  
Office of Nuclear Regulatory Research

FROM: Aby Mohseni, Deputy Director **/RA/**  
Division of High-Level Waste Repository Safety  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: CLOSURE OF USER NEED REQUEST FOR REVIEW OF U.S. DEPARTMENT  
OF ENERGY/YUCCA MOUNTAIN PROJECT CALIBRATION OF VAISALA  
TEMPERATURE/HUMIDITY PROBES AT ELEVATED TEMPERATURES

On December 4, 2006, the Division of High-Level Waste Repository Safety (HLWRS) initiated a request to your organization to assist in an evaluation concerning the calibration and use of commercially-procured Vaisala temperature/humidity probes in a set of experiments conducted for the U.S. Department of Energy (DOE) Yucca Mountain Project by Lawrence Livermore National Laboratories. Since that request, your organization has provided valuable support to the HLWRS in responding to DOE concerning this issue. Ongoing support had been requested of your organization to assist in further response to this issue as the U.S. Nuclear Regulatory Commission (NRC) and DOE continued dialogue concerning this technical issue. On April 10, 2008, the NRC received a letter from DOE informing HLWRS that the Vaisala humidity data taken at elevated temperatures would not be used to support the pending License Application.

As such, further evaluation by the NRC of this issue is no longer necessary and the user need request can be closed. Thank you for your assistance in supporting the HLWRS in this matter.

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HLWRS r/f HLWRS Staff

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<b>OFFICE</b>	HLWRS	HLWRS
<b>NAME</b>	JRubenstone	AMohseni
<b>DATE</b>	4/29/08	4/29/08

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