

## HLWYM HEmails

---

**From:** James Winterle  
**Sent:** Wednesday, May 16, 2007 9:27 AM  
**To:** Hakan Basagaoglu; David Pickett  
**Cc:** Osvaldo Pensado; [REDACTED]  
**Subject:** P-10 Validation Report

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hakan:

I was looking at the validation report for Task P-10, which I believe David is now doing the technical review on, and I think I found an error in the assumptions and conclusions for Test 7. Test 7 is documented in Attachment G. The test was set up based on the assumption that the diffusive releases can be controlled by setting *tpa.inp* input parameters `FractionOfWPsWithDiffusionTilt[]` and `FuelRodHalfLength[m]` equal to 0. After looking at the draft user guide chapter, however, it appears that the `FuelRodHalfLength` parameter has nothing to do with the diffusive release. If the user guide is correct, the two length parameters that affect diffusive release are `LengthOfFilmPathInsideWP[m]` and `WeldCrackLength[m]`. David may want to note this as a technical review comment. I'm not sure whether the test needs to be repeated or not, but the part of the writeup beginning on page P10 G-6 should be revised. The existing test is useful for showing that turning on the diffusive release has essentially no effect on results from the mean value case, which is useful because NRC has asked us to demonstrate somewhere in the validation that ignoring diffusive release will not bias results. Let me know what approach you will take. Sorry if this makes more work that you were not planning.

=====  
Jim Winterle  
Manager, Performance Assessment Group  
Geosciences and Engineering Division  
ph: 210-522-5249  
=====

**Hearing Identifier:** HLW\_YuccaMountain\_Hold\_EX  
**Email Number:** 1448

**Mail Envelope Properties** (030901c797bd\$d4f38250\$a5c8a281)

**Subject:** P-10 Validation Report  
**Sent Date:** 5/16/2007 9:26:37 AM  
**Received Date:** 5/16/2007 9:26:38 AM  
**From:** James Winterle

**Created By:** jwinterle@cnwra.swri.edu

**Recipients:**

"Osvaldo Pensado" <opensado@cnwra.swri.edu>

Tracking Status: None

"[REDACTED]" <[REDACTED]>

Tracking Status: None

"Hakan Basagaoglu" <hbasagaoglu@cnwra.swri.edu>

Tracking Status: None

"David Pickett" <dpickett@cnwra.swri.edu>

Tracking Status: None

**Post Office:** cnwra.swri.edu

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1502	5/16/2007 9:26:38 AM

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:** Follow up