

## HLWYM HEmails

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**From:** Osvaldo Pensado  
**Sent:** Friday, January 09, 2004 5:48 PM  
**To:** Oleg Povetko  
**Subject:** RE: Waste Package payloads

Nope ... I never said that ... come talk to me for the surface area thing ...

-----Original Message-----

**From:** Oleg Povetko [mailto:opovetko@cnwra.swri.edu]  
**Sent:** Friday, January 09, 2004 4:28 PM  
**To:** 'Osvaldo Pensado'  
**Subject:** RE: Waste Package payloads

Isn't the dissolution rate in units of Ci/(day MTU) as we just talked?

Surface area would be quite different for glass logs and for SNF rods. How is the surface area calculated?

-----Original Message-----

**From:** Osvaldo Pensado [mailto:opensado@cnwra.swri.edu]  
**Sent:** Friday, January 09, 2004 3:54 PM  
**To:** 'Oleg Povetko'  
**Subject:** RE: Waste Package payloads

The problem is that the dissolution rate is in units of mg/(m<sup>2</sup> day). The unit of weight in the dissolution rate has to be consistent with whatever unit of mass we select to define the inventory.

-----Original Message-----

**From:** Oleg Povetko [mailto:opovetko@cnwra.swri.edu]  
**Sent:** Friday, January 09, 2004 3:28 PM  
**To:** 'Osvaldo Pensado'  
**Subject:** RE: Waste Package payloads

If we have dissolution rate for glass form and number of curies per averaged WP, why do we care about number of MTUs in glass WP? What determines dissolution rate is glass dissolution rate, not uranium contained in the glass log.

-----Original Message-----

**From:** Osvaldo Pensado [mailto:opensado@cnwra.swri.edu]  
**Sent:** Friday, January 09, 2004 3:16 PM  
**To:** Oleg Povetko  
**Subject:** Waste Package payloads

Oleg,

Ron just spoke to me ... we have two waste package payloads (MTU/WP), one for glass and one for SF.

We define the fraction of MTU in glass form (30% I believe).

We define the total MTU in the system.

From those number we can compute how many WPs are in SF form and how many are in glass form.

**Hearing Identifier:** HLW\_YuccaMountain\_Hold\_EX  
**Email Number:** 1801

**Mail Envelope Properties** (014e01c3d702\$941d7210\$d4c8a281)

**Subject:** RE: Waste Package payloads  
**Sent Date:** 1/9/2004 5:47:36 PM  
**Received Date:** 1/9/2004 5:45:40 PM  
**From:** Osvaldo Pensado

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

**Recipients:**  
"Oleg Povetko" <opovetko@cnwra.swri.edu>  
Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1749	1/9/2004 5:45:40 PM

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