

**From:** Mike Billone <billone@anl.gov>  
**To:** 'Ralph Meyer' <ROM@nrc.gov> *RES*  
**Date:** 2/9/06 6:24PM  
**Subject:** RE: Final Notes on ANL Hot Cell Program

Dear Ralph,

At the level this is geared for, it is probably as detailed as you can get.

If you have another chance at this, consider adding/changing the following:

Diagram:

Put "New LOCA" inside "General Lab Space" green box. We will do this fairly inexpensively because we do not have to simulate the in-cell apparatus and we already have a separate control system for doing oxidation tests. If we want to do quench or LOCA integral tests, we simply move the master control panel.

Also put an "M" in this box for "metallograph" and "SEM" for "scanning electron microscope". This involves replacement and restoration of capabilities rather than physical movement. We have a second hand SEM given to us for free and we have an extra metallograph. The SEM is already in a general lab space and the metallograph will be moved either to the IML or General Lab Space with appropriate shielding.

The "H2" box confused me at first because I thought you were referring to measuring the hydrogen content. I think that "Pre-H" communicates better, as you refer to pre-hydrided alloys in your notes.

You do not have room, but we also moved the pressurization/laser-welder system from the AGHCF to "General Lab Space". This is used to seal pressurized tubes for the radial hydride study.

Bullets:

You do not have much room, but the SFPO people will be upset if you do not fit in something about degradation due to radial hydrides. This work is planned for both pre-hydrided and high-burnup alloys.

Mike

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

**From:** Ralph Meyer [mailto:ROM@nrc.gov]  
**Sent:** Thursday, February 09, 2006 4:30 PM  
**To:** billone@anl.gov  
**Cc:** Farouk Eltawila; Harold Scott; John Voglewede; Patrick Baranowsky  
**Subject:** Final Notes on ANL Hot Cell Program

Mike,

Farouk asked specifically for a diagram that show what we have, what is missing, and how we'll get it. I delivered this to Faouk a few minutes ago with the caveat that "how we'll get it" is still being negotiated, and we don't have decisions yet.

A-37

Ralph