**List of Action Items and Documents for Successful Completion of the n-3He IRR**

Seppo

Oct-15-2014  
update Oct-28-2014

Update Nov-05-2014

1. Set preliminary date for IRR - week Nov ??
2. Documents
   1. No changes to IPPS – we need to mount back the trap key fence,
   2. then IPPS system folks will do post maintenance test - talk to Bobby Cross
   3. RSS – exists – RSS #12883.0
   4. Overview of Credited Controlled shielding – Jack has signed drawings
   5. USI – Freeman released his Document
   6. Fire safety – poly door reviewed by Patrick et al. no changes in cave – we have email from Patrick
   7. New cave sweep procedure – I need to send this to IRR folks
   8. Shielding calculation report – report ready
      1. Fault study – done
      2. Beam line 12 concern – Greg Rowland/Cristina need our rough estimate to time blocks for beam scans /polarimetry. Date depends on our IRR and beam availability
   9. Procedure for response to up normal tritium events – will be included to our internal training
   10. Procedure for handling and operating the tritium manifold with ion chamber – in process – goal is to have a draft by IRR
   11. Procedure for handling of the ion chamber – lifting plan signed
   12. Study of the beam windows of the ion chamber – Report signed
   13. Training plan; additional BL13 visitor’s training – this is our internal issues but needs to bring up in IRR
       1. Modified cave sweep training – part of shutter operation training
       2. Operator response to a tritium event
3. Tasks for IRR
   1. Pre-Start Actions:
      1. Electrical approval of the experiment
         1. Not UL stamped boxes
         2. In general, electrical approval of experiment
      2. Install trap key wall/door back
      3. Experiment installed on beamline including following components; scanner#1, SF, polarimetry, jaw collimator, ion chamber, scanner#2, racks, and instrumentation alsmost done
      4. N2 lines/manifold in place – needs instrumentation wiring
      5. Spin flipper – installation of He flow piping and cable
   2. Post-Start Actions:
      1. Tritium manifold design ready for IRR but construction a Post-Start action
      2. Signed procedure for handling and operating the tritium manifold – a draft for IRR – signed document a Post-Start action