

## Memo

*Date:* March 21, 2016

*To:* RSC, D. Phillips, C. Folz & I. Pinayev

*From:* D. Beavis 

*Subject:* Maps for Monitor TLDs

The ARR examined the drawing for IR2 as part of their effort to examine if CeCPoP was ready to begin operations. During their review of the drawing it was noticed that the monitor TLD locations were shown on drawing 902-06-02-C01 which is sheet 2 of 7 sheets. The drawing is titled "RHIC Construction -2 O'clock site- Rad. Safety Fence and TLD loc. "This documentation of the TLD locations via these drawings is an artifact that was left from the RHIC construction project. The present use of this drawing is to document the location of the fences used for radiation protection at IR2.

Please generate an ECN to have this drawing updated. Please have the following items changed and incorporate as appropriate other changes to make this drawing consistent with our current drawing standards and numbering system:

- Remove the TLD locations
- Remove the BRAHMS experiment
- Remove the BRAHMS fast electronics hut
- Remove installation remarks.
- Ensure that the gates are shown at the proper locations (see for example the fence gate between the shielding and building 1002B).
- Add for reference the new laser building.
- Remove the detailed shielding and use a generic indicator that there is a shielding wall.
- Make appropriate notations that everything is for reference only except the fences.
- Properly name and number the drawing.

As this drawing was found deficient of present drawing standards by the ARR team it will need to be updated on a short time scale.

I would assume that the other IRs around RHIC have similar issues for fence drawings. The changes to those drawings should be scheduled in a manner consistent with configuration management and project schedules. I would suspect that there will be some sort of review of IR8 for SPhenix in the next few years and then eventually all the IRs and the tunnel if eRHIC moves forward.

I am not aware of other C-AD areas having the TLDs placed on the area site maps.

P. Bergh keeps the official maps of the TLD locations. Over the last few years we have moved and installed various monitor TLDs, including two at IR2. These changes are documented by P. Bergh on his maps. Paul is responsible for the monitor program as part of the RCD efforts and archives the maps and the TLD data.

CC: D. Passarello  
A. Arno  
A. Drees  
W. Fischer  
J. Tuozzolo