

SAFETY OBSERVATION REPORT

Observers: P. Bond, E. Lessard, T. Ludlam, M. Zarcone		Date: 2/22/07	Duration: 1 Hr.	STAR and PHENIX Control Rooms at RHIC		
Observation Categories	Observation Questions:					
POS	In risky position relative to task? Protection OK?		Exposed to risks of temperature/electricity/gas/chemicals/radiation?			
ERG	Risks from: posture, repetitive motion, load, vibration, temperature, lighting, noise, work flow?					
PPE	Correct PPE? All parts of the body properly protected?		In safe condition?			
T&E	Is tool, equipment or facility right for the job? Used correctly?		In safe condition?			
PRO	Is there a standard procedure? Followed?		Is procedure adequate?	Up to date?	Understood?	
ORD	Is workplace orderly? Is there a place for all materials and equipment?		Adequate space? All in its place?			
ASF	No unsafe acts or conditions identified					
Work Area or Location	Number of Contacts	Description of unsafe acts	Observation Category	Follow-up Action	Person Responsible	By Date
PHENIX Control Room	4	<p>No unsafe acts were observed.</p> <p>Discussions/Feedback:</p> <p>Formality of control on operator aids – from BNL’s SBMS: the operator aid must contain the name or signature of the person who approved it and the effective date</p> <p>Cyber-security – variance process is new and not optimal; variances not granted to date and operations begin next week</p> <p>Language – some users have difficult problems with English</p> <p>Work planning – daily and weekly meetings are held, safety discussed along with mission, all work is planned</p>	ASF	<p>Implement minimum SBMS requirement</p> <p>Help move variance process to conclusion</p> <p>Ensure language-challenged people do not work alone</p> <p>None</p>	<p>E. O’Brien</p> <p>P. Bond</p> <p>E. O’Brien</p>	<p>3-31-07</p> <p>3-2-07</p> <p>3-2-07</p>

		<p>Communication with MCR and CAS – OK at PHENIX, consider the operators and watch personnel to be competent and helpful</p> <p>Safety training – PHENIX has their own training in addition to BNLS and C-ADs, which is a good practice</p> <p>Labeling of user operated circuit breakers with PPE instructions – Not complete at PHENIX</p>		<p>None</p> <p>None</p> <p>Apply the PPE labels on experimenter operated breakers and disconnects at PHENIX</p>	T. Nehring	3-30-07
STAR Control Room	2	<p>No unsafe acts were observed.</p> <p>Discussions/Feedback:</p> <p>Formality of control on operator aids – from BNL’s SBMS: the operator aid must contain the name or signature of the person who approved it and the effective date</p> <p>Cyber-security – variance process is new and not optimal; variances not granted to date and operations begin next week</p> <p>Work planning – daily and weekly meetings are held, safety discussed along with mission, all work is planned</p> <p>Lighting on access road – dark road at night, too dark for some who walk back to BNL housing area</p>	ASF	<p>Implement minimum SBMS requirement</p> <p>Help move variance process to conclusion</p> <p>None</p> <p>Pass along suggestion that STAR contact PHENIX Control Room for rides back;</p>	<p>W. Christie</p> <p>P. Bond</p> <p>W. Christie</p>	<p>3-30-07</p> <p>3-2-07</p> <p>3-2-07</p>

		Lack of storage space	shift changes are similar and PHENIX has more people using vehicles; PHENIX offered to do it	A. Pendzick	9-30-07
		Magnetic field interlock	Identify space for storage of equipment and containers – modestly heated space desired	A. Pendzick	2-27-07
		Labeling of user operated circuit breakers with PPE instructions – OK at STAR	Remove Control Room key for magnetic interlock in until interlock is approved for use		
		Communication with MCR and CAS – OK at STAR	None		
			None		

COMMENT: More on operator aids (from BNL's SBMS):

The following suggestions may be appropriate depending on the risk, importance, and critical nature of the equipment or operation. The cognizant staff should determine if these suggested practices are applicable and also refer to DOE-STD-1043-93, Guide to Good Practices for Operator Aid Postings.

- The operator aid should, when possible, be protected (e.g., laminated) and should be securely fastened to the equipment to which it refers.
- Operator aids may supplement approved procedures, but they should not be used in lieu of them.
- A listing of all approved operator aids should be maintained along with a copy of each aid posted in the facility. This list should be used during periodic reviews of operator aids to determine that they are still correct and necessary, and to provide a reference copy should an operator aid be missing during the review.
- It is important to ensure that these types of postings reflect the most current information available and that they do not supersede or conflict with any other controlled procedure or information.
- Operator aids should not obstruct an indicating device, nor should they impair a switch, button, or other type of activating device.