

SAFETY OBSERVATION REPORT

Observers: T. Roser, J. Sandberg, E. Lessard		Date: 6/14/07	Duration: 1.25 Hr.	Cryogenics Group Operations		
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
High Bay Area Machine Shop, Next to MCR, B911	1	No unsafe acts observed.	ASF			
		Although worker was prepared to climb ladder, he was at floor level when we arrived. He should have worn a hard hat due to hazards that protrude into the overhead work area where he was going.	PPE	Worker agreed to get hard hat.		
		Although posted, the worker did not wear safety glasses with side shields. Worker wore shorts, and his legs were not protected from scratches or similar potential injuries in this work environment.	PPE	Ensure workers review PPE requirements for every job prior to starting job.	John DeBoer	6-22-2007
		Worker was unable to articulate the work planning process for this job. He says he was told to get cooling to a power supply. This sparse 'work plan' resulted in him attaching water lines to a cable tray, which is not an allowable practice and requires re-work.	PRO	Ensure workers understand and are able to explain basic work planning rules used by group. Ensure they feel comfortable enough to stop the work and to ask questions if they feel something is wrong.	John DeBoer	6-22-2007

		<p>Although not related to this job, worker indicated there were procedures in his group that do not allow him to use his judgment when PPE is not required. That is, procedures with PPE for skin protection from tritiated water require him to wear PPE even though the tritiated water system he is working on is dry. It is noted the worker may be correct in his assessment and we should investigate further.</p> <p>Worker indicated a hazardous situation occurs when the electrical disconnects for devices are in locked rooms, such as the one we were in, and the equipment is outside the room.</p>	<p>PRO</p> <p>T&E</p>	<p>Consider modifying procedure.</p> <p>Routinely review locked areas and ensure disconnects to equipment outside the locked area are readily accessible. Add this routine to Tier 1 practices.</p>	<p>John DeBoer</p> <p>Ray Karol</p>	<p>6-22-2007</p> <p>6-22-2007</p>
High Bay Area Machine Shop, Next to MCR, B911	1	<p>No unsafe acts observed.</p> <p>Worker was installing wiring in an equipment rack.</p> <p>Positive: Worker had unique and safe way to hold utility knife and protect fingers from cuts.</p>				
ERL Prototype Construction Area, B912	2	<p>No unsafe acts observed.</p> <p>Workers were unable to articulate the work planning process for this job. They indicated they are just told to do a job. When questioned further, they indicated the project liaisons walk around during the day and coordinate work, and they communicate regularly with other groups in the area throughout the day. We note they were re-installing devices that were originally installed in such a way that they did not work.</p>	<p>PRO</p>	<p>Ensure workers understand and are able to explain basic work planning rules used by group. Aside from reducing potential for injuries, this may reduce the amount of re-work.</p>	<p>Dave Phillips</p>	<p>6-22-2007</p>

		<p>Workers indicated their home base offices are surrounded by high grass and they were having problems with ticks and chiggers.</p> <p>Positive: Workers indicated how they pointed out hazards to other groups at ERL during the work day; that is, they feel there are no injuries in their group because they and others in their group watch out for each other.</p>		<p>Request PE to routinely keep the grass very short around the electricians and riggers trailers near B912. It is noted we are told that spraying grass areas with pesticide will not work since the tick or chigger must be covered by the spray, not the grass.</p>	<p>Al Pendzick</p>	<p>6-22-2007</p>
<p>COMMENT:</p>						