

SAFETY OBSERVATION REPORT

Observers: J. Sandberg, E. Lessard		Date: 8/27/08	Duration: 1.0 Hr.	Building 930 EBIS Test Area and EBIS Construction Area		
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
EBIS Test Area: workers applying EEI labels, performing testing on a pulsed power supply, and setting up a test of cooling channel performance on a new electron collector	4	No unsafe acts observed. Positives: The work areas were clean and organized. Hazard warnings were posted. Workers were able to discuss the work planning that was performed. For example, pulsed power supply testing with a magnet was pre-job planned and resulted in improved protection against capacitor explosion. The control chassis was separated from the capacitor chassis and operators energized the capacitor bank and the magnet from outside a protective barrier. Calculations showed capacitors would not explode under test conditions; however, larger capacitors will be used in the operational version of this EBIS pulsed power supply in order to increase the number of charge-discharge cycles (capacitor life) before failure.	ASF	Please request repair of a high bay light in the EBIS Test Area that is burned out. The high bay lights were reported by the workers as not effective for lighting the fine-work areas in the high bay. The lighting is more like that needed for a warehouse or heavy equipment area. Portable lighting may be a temporary solution.	W. Shaffer	9-30-08

EBIS Construction Area: Subcontractor workers installing cooling water piping	2	<p>No unsafe acts observed.</p> <p>Positives: The work areas were clean and organized. Hazard warnings were posted and up to date. Copper pipe and fittings were secured each day. The two sub-contractors in the construction area discussed work planning and both were aware of PPE requirements. Both knew about the hard-hat rule if people were working on the second floor, which is an open construction area above their heads.</p>	ASF			
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COMMENT:

The sub-contractors felt that the front gate badge system, where their badges are scanned each work day, was a flawed system. They remarked that no one knows if they are on site since the badges are not scanned on the way out. We could not offer an explanation at the time; however, the main concern is to assure DOE that people who come on site are authorized to do so. Beyond that, tracking ones movement may bring up privacy issues.

The Chief Electrical Engineer (CEE) and a worker discussed the use of a new posting on power supply cabinet doors; “Warning: High Voltage Not Interlocked.” Review of OSHA requirements for wording on hazard signs indicates this posting may have to be modified. The CEE will follow up.