

SAFETY OBSERVATION REPORT

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| Observers: P. Bond, M. Zarcone, E. Lessard | | Date: 10/06/06 | Duration: 1 Hr. | Instrumentation Division | | |
| 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? Understood? Followed? | | Is procedure adequate? | Up to date? | | |
| 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 |
| Lab – Testing of CZT detector and electronics | 2 | <ol style="list-style-type: none"> Unnecessary ‘daisy chaining’ of power strips and extension cords to eliminate an electrical noise problem found on the new lab bench’s power strips. Workers knew rules but did it anyway. Found a multi-outlet power strip that is not permitted at the lab due to the un-insulated connections inside the device. | T&E T&E | <ol style="list-style-type: none"> Workers agreed to plug directly into wall outlet eliminating the improper connections Workers agreed to remove from service | Bob DiNardo | Today |
| CAD Lab | 2 | <p>No unsafe acts observed.</p> <ol style="list-style-type: none"> Found a multi-outlet power strip that is not permitted at the lab due to the un-insulated connections inside the device. | T&E | Workers agreed to remove multi-outlet strip from service | Bob DiNardo | Today |

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| | | <p>Positive: Both workers had ergonomic reviews of their workstations as they worked at their desks all day.</p> <p>Mentioned Traffic Safety on site as a big concern</p> | ERG | | | |
| Clean Room and area outside clean room | 3 | <p>No unsafe acts observed. Workers in clean room were wearing clean room attire covering all of their bodies except their eyes. Both were wearing glasses but not safety glasses with side shields although they were not performing work at the time that required it.</p> <p>Positive: Workers mentioned their awareness of the hazards associated with the etching work they do using HF.</p> <p>A 240 V switch was located in the lab apparently as a disconnect for equipment if work needed to be done and LOTO performed. Workers stated it was never used so why is it located in the clean room?</p> <p>Other switches for 240 and 480 V were in a narrow corridor that could be easily turned off (Purposely or accidentally) without proper PPE.</p> <p>Positive: There were arc flash signs on the boxes although the exact PPE was not listed.</p> | PPE | | | |
| Lab for testing neutron detector | 1 | <p>No unsafe acts observed. Hazards include use of propane and helium, high voltage/low currents.</p> <p>Positive: Worker needs to test detector using neutrons. Use of</p> | | | | |

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| | | <p>neutron source had been done in this lab but worker removed it from Building 535 to 356 which is better suited for this testing.</p> <p>Positive: The setup in Bldg. 356 removes the worker from exposure to the neutrons – (ALARA) Worker receives no appreciable dose on TLD.</p> <p>Worker involved in developing JRAs in the department but was not specific on documentation authorizing his work.</p> | PRO | Locate authorization documentation | Bob DiNardo | 10/20/06 |
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| COMMENT: Set up observation with Mark Schaknowski (IO) for viewing neutron test setup in Building 356 | | | | | | |