

Take 5 for Safety

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BROOKHAVEN
NATIONAL LABORATORY

a passion for discovery



Credited Controls

- **Credited controls:** controls determined through safety analysis to be essential for safe operation directly related to the protection of personnel or the environment
- Credited Controls are identified in the Accelerator Safety envelopes for C-AD accelerator facilities
- Responsibilities to assure Credited Controls are operational or in-place are assigned in the OPM 2.5 series of procedures

Credited Controls at C-AD

- Access Control System used to protect personnel from ionizing radiation and/or oxygen deficiency hazards
- STAR flammable gas systems
- PHENIX flammable gas systems
- Ionizing radiation shielding for accelerator and accelerator facilities
- Laser interlocks for protection of personnel from laser and radiation hazards
- Activated soil caps
- Radiation monitoring and interlocking Chipmunks for personnel radiation safety as determined by the C-AD RSC

Credited Controls at C-AD

- MIRP BLIP:
 - Stack monitoring system
 - Water tank hot-box exhaust fan system including ductwork and exhaust fan low-flow alarm system
 - Linac to BLIP bending magnet interlocks
- MIRP B801 TPL:
 - Hot cells, hot boxes and fume hoods (configuration and shielding)
 - Hot cell, hot box and fume hood exhaust systems including fans and ductwork
- NSRL B958 exhaust fans
- The VODH system at RHIC including pressure sensors, interlocks, cryogenic sectionalizing valves and signal to the RHIC ODH system

Picture of the Week – How Many Hazards Can You Spot?

