

Take 5 for Safety

Configuration Management
Photo of the Week

Collider-Accelerator Department
2-21-12

BROOKHAVEN
NATIONAL LABORATORY

a passion for discovery



Safety Systems Under C-AD Configuration Management

- Accelerators, Injectors and Radiation Generating Devices
- Radiation barriers (e.g., concrete blocks, earth shields, fencing)
- Activated or radioactive material
- Accelerator enclosures
- Hot cells or hot boxes
- Access Control Systems
- Large volume gas systems at AGS, RHIC, PHENIX, STAR and ERL
- ODH fans in the RHIC, ERL, LBH and SBH
- Smoke ventilation systems in AGS and RHIC tunnels
- BLIP, TPL and NSRL exhaust stacks and fume hoods
- Ventilation systems that maintain negative pressure in Building 801, Building 931 BLIP , NSRL Target Room
- Ventilation fans in Building 912
- HEPA and charcoal filter banks at Buildings 801 and 931

Mission Critical Systems under C-AD Configuration Management

- **Siemens MG Set, Westinghouse MG Set**
- **Cryogenic refrigerators and compressors**
- **Booster and AGS transformer yards**
- **Vacuum pipe**
- **Cable tray**
- **Warm electro-magnets, cryogenic electro-magnets**
- **Beam line equipment such as bunchers, collimators, solenoids**
- **Accelerator control systems**
- **Beam line instrumentation such as beam loss monitors and profile monitors**
- **Electrical substations for experimental equipment**
- **Cooling towers**
- **Power supplies**
- **Storage tanks**

Mission Critical Systems Managed by F&O that Require Configuration Management

- HVAC systems for accelerators and accelerator facilities
- Electrical feeders and breakers for power from substations to building service
- Domestic water for cooling accelerator equipment and fire protection
- Fire protection systems
- Compressed air
- Emergency generators

Gaps

- **C-AD needs procedures to describe the function and operation of the C-AD Document Control Center**
- **Signed drawings for STAR and PHENIX experiments**
- **Lists of mission critical systems managed by F&O**

Cheaper than Renting a Truck

