

Title: Failure of the RHIC Building 1004B Valve Box

SCBNL E-01648

Date: 01 August

Description: At 12:31PM, August 1, a RHIC magnet quench link interlock occurred in RHIC. As a response to the quench link interlock, 12 DX magnet heaters automatically turned on and the RHIC beam was aborted. The CAD main control room contacted the cryo control room to inform them of the quench link interlock. At 12:39, the cryo control room reported to Main Control that the blue ring valve box in building 1004B was venting helium to the exterior of the building. Cryo control room started to remove helium from the RHIC blue ring. Fire/Rescue and CAD personnel responded to building 1004B. No personnel were in the building at the time of the event. Fire/Rescue swept the building and found no personnel inside the building. Building 1004B entrances were cordoned off and a perimeter established near the vent. At 3:15PM, Fire/Rescue swept the building again, found no oxygen deficiency and turned the building over to C-AD. Helium recovery efforts will continue.



Potential Cause(s):

- To be determined.

Immediate/Containment Actions:

- Fire/Rescue swept building for personnel. No personnel found.
- Building entrances secured.
- Perimeter established around vent.
- Helium Recovery commences in blue ring

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