

AGS/RHIC Alarm (Alarm Display Task – ADT) Response
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Collider Accelerator Department equipment alarms shall be monitored 24 hours a day 365 days a year. During accelerator operating periods alarms are monitored by the MCR Group, and the Collider Accelerator Support Group (CAS) when they are in building 940. During accelerator shutdown periods alarms are monitored by CAS. MCR “Alarm Display Response Policy” is as follows:

- 1 Every attempt shall be made to keep the THREE (AGS, RHIC, EAGAL(CAS)) ADT alarm screens clear of alarms. T. Shrey manages ADT alarms. G. Marr is working to eliminate spurious alarms so that the screens may operate “unfiltered” – that is to say -- every alarm will be non-spurious and must be acknowledged. During Maintenance Days a screen filter will be required. During the ramp-up period at the start of a “run” a screen filter will be required as well.
- 2 During accelerator operating periods, the OC shall designate one operator each shift to periodically monitor the alarm screens for non critical alarms. (The operators may be assigned to share the responsibility during the course of the shift). REGULARLY (at least every 30 min) the operator shall review the alarm screens. **The operator shall not erase alarms**. The operator shall Acknowledge alarms whose origin is understood and fix the problem to clear the alarm condition.
- 3 If you don't know what is generating the alarm, CALL (24 hour) the engineer for the system that is alarming to find out the cause – or send G. Marr an e-mail.
- 4 During accelerator operating periods, do not call in someone to clear an alarm, unless the alarm corresponds to equipment that holds the physics program(s) off.
- 5 Alarms that a system engineer DOES NOT WANT TO BE CALLED ABOUT can be masked off from the screen. Send an e-mail to Ingrassia, Hammons, and Marr, when alarms are masked off for this reason so we can follow up.
- 6 Report every alarm on the EAG(AL)/CAS alarm display located at MCR_2, to a CAS watch technician.
- 7 Alarm Response Instructions are provided to help guide your response to alarms. To view an alarm response instruction, left click on the alarm on the ADT screen, then right click on the alarm and get a pop up menu. From the popup select, Respond Instructions. IF a web browser is not running then it will take a minute before you see the instruction -- pump room alarms take longer. The list of alarm response instructions can be found at <http://www.agsrhichome.bnl.gov/Controls/doc/AlmRspInst/?M=A>. Alarms without instructions can be “flagged” by filling in the “AD2000” Feedback form when it pops up.
- 8 Some critical alarms that appear on the alarm display also dial a CAS pager that alerts them that a critical system needs attention. At present those critical systems include
 - pump room alarms that appear on the “back-up” alarm receiver
 - air conditioning alarms for bldg 911B network “hub room”
 - UPS problem for controls computers and or network computers in bldg 911B
 - Phenix Gas alarm
 - qpa fan fault