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Date: _____
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Date: 4/21/10
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Date: 4/21/10

RHIC RSC Check-off List for FY_10 heavy ion low Energy operation

PREREQUISITES

1. _____ (MCRGL) A dedicated operation and access procedure for low energy operation (C-A TPL 10-08 "RHIC Operation at Low Energy") is in place.
2. _____ (RASC) RHIC abort system ready for beam below standard injection energy (approx. 10 GeV).
3. _____ (RASC) RHIC BLAM system configuration adjusted for Au beam operation below 10 GeV. Beam current measuring devices are setup to measure low energy Au beams.
4. _____ (EC) Removable soil samples are placed for low energy operation.
5. _____ (RC) RHIC BLMs are configured for low energy operation. Their sensitivity to beam at these conditions will be demonstrated at the beginning of low energy operation.
6. _____ (RC) Software to monitor running totals of loss monitors is in place.

RADIATION MONITORING AND POSTINGS

7. _____ (RCD) Areas such as injection, abort kickers, collimators and others as indicated in C-A TPL 10-08 are posted "no entry. HP survey required" and roped off. Updates will occur as per TPL 10-08.

8. _____ (RCD) and __ (LP) Thompson Road remains open pending regular surveys and chipmunk data reviews.
9. _____ (RCD) Dedicated low energy operation TLDs for berm dose monitoring are placed around RHIC.
10. _____ (RCD) Area outside Phenix south shield wall posted as "controlled area-TLD required".
11. _____ (RCD) Dedicated low energy operation monitor TLDs are placed near vents (standard TLDs remain in place).
12. _____ (RCD) Labyrinths near experiments will be surveyed regularly during the run.

DOCUMENTATION

13. _____ (RC or LP) Beam losses are documented and will initially be reported daily to RSC. Later report frequency will follow guidance from RSC after first review(s).
14. _____ (RC or LP) A list of apertures is provided to the RSC at the earliest opportunity.

READINESS FOR BEAM IN RHIC:

15. _____ (RSCC) Radiation monitoring in place and ready.
16. _____ (LP) RHIC ready for Au beam below standard injection energies.
17. _____ (OC) RHIC RSC Check-off List for low energy operation complete.

When this Check-Off List is complete low energy Au can be injected into RHIC.

TABLE 1. KEY

CSGL	Control Software Group Leader, John Morris
EC	Environmental Compliance Rep., M. van Essendelf or designate
LP	Liaison Physicist, A. Drees
MCRGL	MCR group leader, Peter Ingrassia or designate
OC	MCR Operations Coordinator
RASC	RHIC Abort System Commissioner: Leif Ahrens
RCD	Radiological Control Division
RC	Run Coordinator (T. Satogata) or designate (G. Marr)
RSCC	Radiation Safety Committee chairman