

Prepared By: Wencan Xu
Date: Dec. 9, 2011
Reviewed by: [Signature]
Date: 12/12/11
Approved by: [Signature]
T. Roser
Date: 12/12/11

RSC Check-Off List for Cold Testing of the 704MHz Large Grain Cavity with Local Power Supply

Completion of this RSC Check-Off List is a prerequisite for the 704MHz large grain cavity test in the little block house in BLDG 912.

Upon Completion of this check-off list and the completion of the ASSRC check-off list in the MCR the testing may commence. The use of the 50 kW ERL power supply is **NOT** allowed with this check-off list. An additional check-off list will be required.

1. ____ (RSCC) The shielding has been examined and found acceptable.
2. ____ (LE) Block house shielding and barriers inspected and acceptable for cavity operation.
3. ____ (ACG) Functional tests for the interlock system are complete for LBH.
4. ____ (ACG) State Tables have been approved.
5. ____ (RCD) Gate posted as HIGH RADIATION AREA *When RF gun is operating.*
RF gun is operating when gate panel 'No Access' light is on,
Access not permitted When RF gun is operating.
6. ____ (RCD) South shadow block, east shadow block and roof railing accessing the SRF posted as:
Notify HP Prior to Entry *When RF gun is operating*
RF gun is operating when gate panel 'No Access' light is on
HP escort with appropriate survey meter required when RF gun is operating

6. ____ (LP) Sweep Procedure reviewed and approved.
7. ____ (RGDC) Large grain cavity registered as an RGD.
8. ____ (RSCC) Dose to personnel on the mezzanine has been evaluated and found acceptable.
9. ____ (ACG) All bypasses or temporary jumpers in place have been discussed with the RSCC.
10. ____ (LP) The items listed above have been completed.
11. ____ (OC) List completion verified by on-duty operations coordinator.

When the list above is complete then conditioning and testing of the cavity can begin.

When the cavity is ready to potentially generate x-rays the on-duty RCT needs to be in the area to conduct surveys of the shielding and penetrations. After the surveys have been reviewed the configuration of the final area postings near the blockhouse will be determined.

RCD: Radiation Controlled Division: P. Bergh or designate.
LE: Liaison Engineer: D. Phillips
LP: Liaison Physicist: Sergey Belomestnykh or designate.
MCRGL: MCR Group Leader: Peter Ingrassia or designate.
RSCC: Radiation Safety Committee Chairperson: D. Beavis or designate
OC: Operations Coordinator
ACG: Access Control Group: J. Reich or designate.
RCT: Radiation Control Technician
IG: Instrumentation Group: R. Atkins or designate.
CEE: Chief Electrical Engineer: J. Sandberg or designate.
RGDC: CA RGD custodian: A. Etkin or designate.
ERLGL: ERL Group Leader