

# MERIT pre-installation review: Preliminary conclusions

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# Follow-up:

## Safety Review of mercury system

<http://edms.cern.ch/document/754444/>

Draft answer:

<http://cern.ch/merit/doc/HgSafetyReviewAnswer.htm>

Hot issues:

- Item 11: LEXAN cover on sump tank and as lid
- Latest documentation on used materials and procedures is currently looked at.

# Follow-up:

## Cryogenics and solenoid review

<https://edms.cern.ch/file/710659/1/memorandum.pdf>

- Item 2: User's notice. Yet now written procedures on installation and operation of the solenoid&cryogenics have been provided.
  - Cryogenics part by AT/ECR
- Item 5: Results of non-destructive test (x-rays of welds)
- Item 8: formal answer by collaboration is required.

# Pre-installation review

- Installation in TT2A during PS2 run with beam possible.
- Personnel radiation dose plan and access procedures need to be written.
- The use of PU foam is currently investigated.
- **Safety valves of cryostat and vacuum jacket.**
- Maximum operating pressure of cryostat limited to 10 bar. Resolves a lot of issues.
- A lot is dependent on the surface tests at build 180: leak test (warm and cold), condensation.