

SPS Restart - TCR Status Report

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ENS in the TCR

- Installation ENS data & HCI's starts on the 28th May
- CAS alarms up to date via ENS afterwards
- Tests to be scheduled
- Initially a big number of alarms reduced to the necessary minimum
- ENS maintenance tool needed: permanent guarantee coherence of ENS and CAS alarms
- Improvements on the interfaces underway

Water2000 Monitoring

- HCl's used by PCR, TCR and ST/CV
- Data integration, HCl's & tests
- Alarm Cabling for redundant alarm transmission under way → Tests
- BA82 and BA6 HCl monitoring will be ok → Tests
no CAS alarms before 10th June
- Corrections of non-conformities under way

Water2000 Open Issues SPS Restart

- Clarification of responsibilities: CERN-SIG
- Documentation, operation instructions & operator training to be seen with ST/CV
- Maintenance of the WIZCON and the PLC's to be clarified with ST/CV

Water2000 Open Issues after SPS Restart

- Monitoring of ATLAS cooling towers - BA6
- “Completion of the monitoring data & tests after the SPS restart”
- Global validation of the TCR monitoring system and the operation instructions during power tests of the SPS cooling towers (11 to 22 June)

Monitoring of other ST/CV Systems

- No monitoring for SPS chilled water
- No monitoring for air conditioning in the computer rooms BA's
- Monitoring Faraday Cage: alarms after the 10th June
- CAS update June: data in TCR before 25th May
- CAS update July: data in TCR before 21st June, if no HCI are needed

Conclusion

- ENS: software improvement and tests
- Monitoring of ST/CV installations only partly ready for 1st June
- Difficult and turbulent start of the operation
- Finalisation of TCR monitoring important to minimise impact on SPS physics

Future Projects

- TCR must treat all systems necessary for an accelerator as an ensemble
- Global co-ordination of the different ST projects necessary
- As foreseen in GPST: ST/MO resources must be considered from the start of new projects