

Participants:

- André Augustinus;
- Fabio Corsanego;
- Emmanuel Paulat;
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Aim of the meeting:

The aim of this meeting was to inform the different coordination and safety teams about the problem that we have today at point 2 with one of the Fire Brigade red pipes, what are the possible solutions to solve/repair it and what are the implications of the different repair scenarios. As some important decisions may need to be taken, it was considered very important to give all the information to the different responsible teams.

Meeting summary:

The problem that triggered this meeting is linked to a small leak in the Fire Brigade red pipe in UX25. The leak was temporarily repaired by the CV group, but now CV started to evaluate the possible solutions to repair definitively the leak (please see the presentation from Dominique for the picture of the leak).

The possible repair scenarios presented by EN-CV were:

- Scenario 1:

It is possible to isolate the Point 2 underground RIA system (the RIA system will not be available during the intervention). This means that EN-CV is able to close valve 1 located in UX25, valve 2 located in UW25 and both valves do not leak (see slide 20).

- Scenario 2:

Valve 2 is leaking and valve 1 is not leaking. This means that EN-CV would need to close valve 3 located in UW25, consequently the Point 2 surface RIA system will also not be available and the cooling towers will be affected (see slide 21).

- Scenario 3:

Valve 1 is leaking or valve 2 and 3 are leaking. This means that EN-CV would need to close the sector valves to isolate the RIA system at point 2. This also means that EN-CV would need to stop the pumps at

Leak on the Fire Extinguish line in UX25

point 1, close the sector valve after point 2 and try to move sector 3 and 4 to the backup line coming from point 8.
This solution has major impacts.

In order to identify the scenario that we are facing, EN-CV suggested to do a test of valve 1 and 2 during the Technical Stop of November (to be performed on Thursday 10th of November from 6AM to 10AM, as suggested by the coordination teams after the meeting).

Note:

All the information presented in this meeting can be found in:
<https://indico.cern.ch/conferenceDisplay.py?confId=162095>

Conclusion:

The LHC and ALICE coordination teams will try to find a window of 4 hours in the planning of the next Technical Stop where there will be a reduced amount of people in UX25 and UW25, in order to allow the EN-CV team to perform the test of valve 1 and 2.

Some compensatory measures will be put in place during this test and during the repair intervention.

Based on the conclusion from the test we may need to meet again to define the next steps.

In case we need to perform scenario 3, EN-CV suggested to wait until 2013, but as it may represent a big risk for ALICE (+-300m³/h of water), LHC and CERN a higher hierarchy involvement is needed on this decision.