

TC250/SC7/EG 9: water pressures

Progress Report No 2 for the period April-Dec 2012

AGREED SCOPE OF WORK

The evolution group 9 discusses open questions regarding water pressures, aiming to give better guidance than until now in dealing with water pressure acting on any construction and with relevance to safety also in the soil.

The result shall be to identify, which phrases of EC 7-1 shall be deleted, changed or added and how they will be formulated. All questions which went to the maintenance group concerning water, should be tackled by EG 9 which gives recommendations how to handle them.

It might be helpful to publish papers to show and comment the output of the group.

KEY ISSUES UNDER DISCUSSION

- solution for a suited equation to give safety against heave due to seepage, Equation HYD 2.9
- characteristic water tables/pressures and design values and the way to care for robustness
- discussion about proposed changes of paragraphs in EC 7-1 coming from the maintenance group
- uplift problems
- anchors to protect against uplift

DECISIONS/OUTCOMES

- Equation 2.9 should be modified to make clear how to introduce partial factors in it

MEETINGS HELD/PLANNED

Tele-meeting no.	Date held/scheduled	Available from webpage?
1	15.05.2012/ 23.05.2012	N668
2	03.07.2012	N668

3	4.10.2012	24.10.2012 sent to Marc Lurvink, not yet published
4 face to face	06.02.2013	

ACTIVE MEMBERSHIP

Name	Position*	Country	Listed on webpage?
Norbert Vogt	Convenor	Germany	http://www.gb.bv.tum.de
Brian Simpson	Co-Convenor	UK	
Adriaan van Seters		Netherlands	
Antonio Gens		Spain	
Bernhard Odenwald		Germany	
Henrik Moller		Sweden	
Tim Lansivaara		Finland	

*please indicate Convenor/Secretary

REPORT PREPARED BY:

Norbert Vogt

16.01.2013