

Sophie is on annual leave, but asked me to forward on the model review response in her absence as this was not available when she started her leave. Therefore, please find attached the follow on hydrology and hydraulic model reviews for the Portsmouth Water HQ site. There is only one outstanding comment which relates to the application of climate change in the model. This is listed below for ease and also included in the attached hydraulic model review spreadsheet:

Comments

The guidance from our national team is that the rainfall allowances should only be used for surface water mapping, which uses direct rainfall, or for site specific drainage design. For everything else, the fluvial (peak river flow) allowances should be used to scale the flow. For this site the total runoff from ReFH2 should be scaled by the fluvial management catchment uplift allowance depending on the epoch and emissions scenario of interest. For example, for the 100 year scenario this would mean applying a scaling factor of 1.37 to the total ReFH2 flow to represent the central allowance climate change uplift for the 2080s epoch.

If you have any queries regarding the above, please do not hesitate to get in touch. Sophie will be back in the office next week.

Thank you very much.

Kind regards,
Anna

Anna Rabone

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