

Interactive comment on “Case Study: Risk Analysis by Overtopping During an Upstream Landslide in Peñitas Dam, Mexico” by Humberto J. F. Marengo and Alvaro A. Aldama

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Dear Natasha:

I have received Technical Corrections of Reviewer #1 and here are my comments:

1. I have reviewed carefully each one of the comments of the reviewer and I have included them in the new document I am sending to you via pdf.
2. I am working in the last point asked, which consists in write a short comparison of the methods such a general reader of NHESS can understand the language and the methodology established and be possible to generate a generic statement NHESS

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conclusion. I will finish on Tuesday September 2nd and then I will send it to you.

3. The main correction is that I have separated the mathematical approach and I am including it in the Appendix I of the paper. I also send it. And I have written in the paper proper reference to it.

4. There are some technical observations made that I believe that are obvious in my opinion (discharge law of spillways for example). I am not changing, but if you consider it must be done; I will.

Please accept my apologies of files that I sent to you yesterday, they have not the corrections well done, like this I am sending to you now.

Best regards.

Humberto Marengo

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-191/nhess-2019-191-AC1-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-191, 2019>.

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