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Interactive comment on "Storm pulses of particulate and dissolved organic carbon in a forested headwater stream and their environmental implications – importance of extreme rainfall events" *by* B.-J. Jung et al.

Anonymous Referee #3

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Overall, this is an interesting paper that explores the contributions of POC to OM exports during large events and the potential of POC for DBP formation. I thought that the biodegradation of POC and its contribution to DBP formation was the novel aspect of this work. The contributions of POC during large events has already been demonstrated by the authors previous publications and other published articles. I think the article could have been stronger if more storm-event measurements were available for POC biodegradation and DBP analyses. As it stands in this article, only a few limited samples were analyzed and presented for DBP formation (Figure 5).

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Specific comments: The authors should thoroughly revise the paper for sentence structure and grammar. Some of the sentences were too long and confusing. Page 6878, line 20-21 – sentence needs to be revised, very difficult to understand. Page 6885, line 1 – "To inoculmn. . .." Something not correct here. Lines 5-10 – please simplify and revise; very difficult to understand. Only two laboratory incubations were performed? Isn't this a limited analysis for this study? Page 6887, line 16 – are you referring to Figure 5? Figure 2 – some of the fitted lines look very weird. Would a exponential fit to all plots be preferable? Figure 3 – middle panel – can this figure be improved for clarity? Figure 4 – is this figure necessary? I would recommend taking it out.

Interactive comment on Biogeosciences Discuss., 11, 6877, 2014.

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