

## ***Interactive comment on “Household water treatment and safe storage – effectiveness and economics” by S. Stubbé et al.***

### **Anonymous Referee #2**

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The paper gives a review on three HWTS systems in terms of effectiveness and costs. It is well written and contributes to the discussion on the implementation and use of such systems. Therefore, it can be accepted when the following (minor) changes are implemented: - Pg 144, line 4, “cost drivers” are not further mentioned in the abstract so delete - Pg 144, line 9, dispersion = distribution (see also elsewhere in document) - Pg 144, line 9, log removal of what? - Pg 144, line 10-11, mention what type of bacteria and viruses (pathogenic, indicator?) - Pg 144, line 12, removal = removals - Pg 144, line 22, rephrase “are decades away for these people” - Pg 145, line 16, explain why they are “promising for the future” - Pg 145, line 17, efficiency = efficiencies - Pg 145, line 20, avoid wording like “extremely simple” since this is subjective - Pg 146, line 17, Effectiveness of what? - Pg 146, line 18, removal mechanism of what? - Pg 146, line

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21, this pathogens = these pathogens - Pg 147, line 6, are = were - Pg 147, line 15, what type of bacteria and viruses (see above) - Pg 147, line 15, lays = lies - Pg 147, line 21, must be “log removal for bacteria and.. for viruses respectively. - Pg 148, line 7-8, what is the effect of storage time? - Pg 148, line 11, dispersion = distribution - Pg 148, line 15, delete “based on” and put references between brackets. - Pg 148, line 21, significantly = considerable (you did not do statistics) - Pg 148, line 25, charged = loaded - Pg 148, line 26, delete “charge” - Pg 148, line 26, must be “equal to and smaller than” - Pg 149, line 1, delete “research shows that” - Pg 149, line 5-7 delete sentence since it does not contribute to discussion - Pg 149, line 10, virus particles = viruses - Pg 149, line 11, non-existing = lack of - Pg 149, line 16, delete “based on” - Pg 149, line 23, delete “research” - Pg 149, line 23-24, delete sentence, since this is not always true - Pg 149, line 27, must be “as Murphy et al. (2010) and Van der Laan et al. (2014)” - Pg 149, line 28, delete “exactly” - Pg 150, line 1, SODIS is not a filter - Pg 150, line 1-2, delete sentence - Pg 150, line 3, must be “reported log removal” - Pg 150, line 4-5, delete sentence - Pg 150, line 10, delete heading (can be part of 2.4) - Pg 150, line 13, influent = water (you are not changing the influent) - Pg 150, line 21, delete “research shows” - Pg 150, line 21, must be “can also reduce” - Pg 151, line 2-9, avoid starting with “people” - Pg 151, line 2, water supply = water production - Pg 151, line 22, 5 = five - Pg 152, line 1-2, delete sentence (does not add to discussion) - Pg 152, line 4, significantly = considerably - Pg 152, line 24, 5 = five - Pg 153, line 4, choose for USD or EUR in the entire document - Pg 153, line 6, must be “by Akvopedia (2013)” - Pg 153, line 9, must be “prices of around” - Pg 153, line 19, after = when - Pg 153, line 19, outlier = outlier (see also elsewhere in document and figures) - Pg 153, line 25, what do you mean with this sentence? (consider deleting) - Pg 154, line 5-7, delete sentence (or mention this as an example) - Pg 154, line 7-8, delete “does not only depend on . . . . before, but” - Pg 154, line 9, must be “rates, the price” - Pg 154, line 11-12, delete sentence - Pg 154, line 14, keep same order as in document - Pg 154, line 16-23, mention costs after effectiveness - Figures: gives references of the schematics (or did you make them your self)

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