

Interactive comment on “Evaluation of Changes in Some Physico-Chemical Properties of Bottled Water Exposed to Sunlight in Bauchi, Nigeria” by Rose E. Daffi and Fwangmun B. Wamyil

Anonymous Referee #2

Received and published: 26 November 2020

It is an interesting small study on the deterioration of the bottled water in Nigeria. The paper is well written. General comments: - Now much emphasis is given to the compliance with EPA and WHO regulations. More important is the effect of PET bottles and sunlight on the quality. - The abstract is too long with too specific details on compliance with regulations - Introduction has too many generalities, be more specific - Not clear why pH and nitrate are chosen as indicators for PET leaching. Consider at least removing nitrate as indicator. - Results frequently lacks critical discussion on mechanisms supported by literature. - Avoid recommendations in the paper. Specific comments - Line 12-15: delete sentence - Line 22-24: delete sentence - Line 28-33: delete sentence - Line 35: delete sentence - Line 58-69: delete sentences - Line 70-72:

C1

delete sentences - Line 76-86: delete sentences - Line 88: Table 1 is not a representative summary of drinking water standards - Line 101: The = the - Line 105: after wards = afterwards - Line 121-139: this lacks a critical discussion. Why pH changes over time and why is it of importance? Drinking water standards are not relevant in bottled water... - Line 148: is = was - Line 149: by (Bach et al., 2014) = by Bach et al. (2014) - Line 149: not clear. Increase in study of Bach was lower but 140% (which is higher) - Line 168-171: delete sentences - Line 176: is = was - Line 186-201: this lacks a critical discussion. Why nitrate changes over time? Consider deleting - Line 205-207: adjust depending on changes in the document - Line 211: adjust depending on changes in the document - Line 212-218: delete sentences

Interactive comment on Drink. Water Eng. Sci. Discuss., <https://doi.org/10.5194/dwes-2020-19>, 2020.

C2