

## ***Interactive comment on “On the role of operational dynamics in biogeochemical efficiency of a soil aquifer treatment system” by Shany Ben Moshe et al.***

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**In light of the comments of Referee #2 regarding unit use, we re-considered comment MC3 by referee #1. Accordingly, we now accept the original comment:**

**MC3:** *Concentration units and naming chemicals entities – be consistent in naming and with units. Micro-molar than mg/l and in the N species is it as N or for the molecule?. I suggest use mg/l as C for DOC and mg/l as N for all N species thought the manuscript and say it explicitly. NO<sub>2</sub><sup>-</sup> is an anion, “ammonium and NO<sub>3</sub><sup>-</sup>”, spell the chemical formula for the ammonium as well.*

C1

**Author’s response:** According to the suggested, we made sure the chemical formula of ammonium is used throughout the text, with a few necessary exceptions in the M&M (i.e. "Ammonium test kit", "Ammonium chloride"). Concentration units of the field data (SHAFDAN) presented in the introduction were converted from  $\mu\text{M}$  to mg/L. DOC and TKN analyses are reported in our work in mg/L (of C and N respectively). For  $\text{NO}_3^-$  and  $\text{NH}_4^+$ , we accept that consistent use of units is preferable and hence we now use  $\text{NO}_3^- - \text{N}$  and  $\text{NH}_4^+ - \text{N}$  in mg/L as was suggested.

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C2