**Question 2**

Do you agree with the recommendations (assumptions) made to derive mean UWWTP effluent concentrations:

* using mean concentration instead of median concentrations,
* using studies not older than 2010 and
* using the value ½ LoQ if median concentration is < LoQ

or do you have any further suggestions to derive mean UWWTP effluent concentrations based on the results of literature study?

* *We think that median (or geometric mean) is more correct*

*(answer: It was a mistake – we wanted to recommend to use the median concentration instead of mean concentration; see page 8 of the document)*

* *The use of LOQ/2 should be limited to substances that have less than 30% of censored data. If not, the emission should appear very high despite that data are all <LOQ*

*(answer:*

**Question 3**

**Can you provide further information/data/results from monitoring campaigns?**

***PFOS.***

*The EF proposed is very low (0.0002 g/p.e./year, i.e. 0.54 μg PFOS/day per capita)*

*It is true that PFOS is banned since 2008, but it is still present in everyday products produced before that data.*

Available literature data, but before 2015:

In 2009, a study demonstrated that PFOS concentrations correlate rather well with river basin population, and its European emission factor (EF) was estimated by linear regression to be 27 μg PFOS/day per capita (Pistocchi 2009). This regression-derived EF for PFOS satisfactorily fitted with experimental measurements in European wastewater treatment plants which ranged from 7 to 57 μg PFOS/day per capita (Huset 2008; Castiglioni 2015).

* Castiglioni S, Valsecchi S, Polesello S, Rusconi M, Melis M, Palmiotto M, Manenti A, Davoli E, Zuccato E. 2015. Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy. *J Hazard Mater* 282:51-60. DOI: 10.1016/j.jhazmat.2014.06.007.

(answer: We included the information in Annex 1 and table 6)

* Huset CA, Chiaia AC, Barofsky DF, Jonkers N, Kohler H-PE, Ort C, Giger W, Field JA. 2008. Occurrence and Mass Flows of Fluorochemicals in the Glatt Valley Watershed, Switzerland. *Environ Sci Technol* 42:6369–6377.

(answer: We included the information in Annex 1)

* Pistocchi A, Loos R. 2009. A Map of European Emissions and Concentrations of PFOS and PFOA. *Environ Sci Technol* 43:9237-9244.

(answer: This might be useful information for the emission paper)