

[REDACTED]

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**From:** [REDACTED]  
**Sent:** 15 August 2022 10:06  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** PFOA Releases

Good Morning [REDACTED]

Would it possible to confirm some mass releases of PFAS to the water. The numbers are based on information supplied during our telecom.

1 Historical release to river/sea of PFOA, of the order of the low hundreds of tonnes over a period from the 1950s until 2010 (or was it 2011?). I'm basing that on the 400 – 600 tonnes of PFOA usage and the wet polymerisation process resulting in the bulk of the PFOA used being released to water.

2 Current releases of PFOA to water, 26kg per year. That is based on a concentration of 80 µg/l and an annual effluent discharge of 330,000 m3 per year.

3 SAA-1000, can you supply a number for an annual mass release please. My notes are that at 1mg/l and the same effluent flow the annual release would be 330kg.

Do you have any survey work on PFAS, and in particular PFOA ,in offshore sediment and/or in biota, particularly shellfish?

After discussing with [REDACTED] we are considering a permit improvement condition along the lines of.

1 Please quantify annual releases of all PFAS from the site to all media.

2 Please put forward proposals to reduce releases of PFOA to water.

3 Please put forward proposals to reduce releases of Perfluoro(2-ethoxy-2-fluoroethoxy)acetic acid ammonium salt [EEA-NH4 (SAA-1000) to water.

Do you have any comments on this proposal?

Best wishes

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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