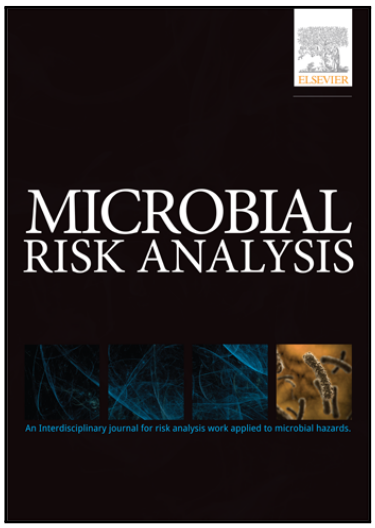

Decay rate of virus and faecal indicator bacteria (FIB) in seawater and the concentration of FIBs in different wastewater systems

Fasil Ejigu Eregno , Ingun Tryland , Mette Myrmel , Aina Wennberg , Anastasiia Oliinyk , Mamata Khatri , Arve Heistad

PII: S2352-3522(17)30080-4
DOI: 10.1016/j.mran.2018.01.001
Reference: MRAN 44

To appear in: *Microbial Risk Analysis*

Received date: 26 April 2017
Revised date: 2 January 2018
Accepted date: 2 January 2018

Please cite this article as: Fasil Ejigu Eregno , Ingun Tryland , Mette Myrmel , Aina Wennberg , Anastasiia Oliinyk , Mamata Khatri , Arve Heistad , Decay rate of virus and faecal indicator bacteria (FIB) in seawater and the concentration of FIBs in different wastewater systems, *Microbial Risk Analysis* (2018), doi: 10.1016/j.mran.2018.01.001

Highlights

- An experiment was conducted on the virus and FIB decay rate in seawater from different depths.
- An experimental study was conducted on the growth potential of FIB in greywater and *E. coli* showed a tendency of growth whereas IE did not.
- Monitoring of FIB in different wastewater systems conducted to evaluate the impact of source separation system on FIB reduction.