Deactivation of vanadia-based commercial SCR catalysts by polyphosphoric acids - DTU Orbit (17/08/2019)

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Commercial vanadia-based SCR monoliths have been exposed to flue gases in a pilot-scale Setup into which phosphoric acid has been added and the deactivation has been followed during the exposure time. Separate measurements by SMPS showed that the phosphoric acid formed polyphosphoric acid aerosols, which were characterized by particle number concentrations in the order of $1 \times 10^{14} \text{ #m}^{-3}$ at 350 degrees C and diameters

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