Groningenhaven 7
Postbus 1072
3430 BB Nieuwegein
The Netherlands

P + 5.1.2e
I www.kwrwater.nl

Evides Industriewater
Schiphol Group
KLM

Subject Participation Measuring SARS-CoV-2 in airplanes
Date 3 September 2020
Our reference

Information
5.1.2e + 5.1.2e
5.1.2e @kwrwater.nl

Dear Sir (Madam):

KWR Water Research Institute is conducting research in the field of sewage surveillance to monitor the circulation of viruses in communities, more specifically SARS-CoV-2, the virus at the origin of the COVID-19 outbreak. KWR is working in close collaboration with the Dutch Health Authorities to contribute to the early detection of COVID-19 cases.

Currently, we know that one of the most effective techniques to prevent an exponential growth in cases of COVID-19, is to apply an early contact-trace approach, able to pin-point and test the most likely carriers of the virus. Secondly, we are aware that COVID-19 can be involuntarily transmitted by asymptomatic carriers. Thirdly, and most importantly, we are also sadly aware that COVID 19 has spread worldwide, due to globalized exchange of people between countries, also enabled by the aviation sector. KWR, side-by-side with the Dutch Health Authorities, wants to support Schiphol group and KLM in the early detection of COVID-19 cases aboard airplanes, hence contributing to further restore commercial air travel.

To achieve this, KWR would like to test if SARS-CoV-2 can be detected in the wastewater from airplanes. KWR is seeking access to a **one-time-experience**, where wastewater from 1 airplane would be tested for SARS-CoV-2. Promising results have been reported in Australia, where the contents of waste tanks of airplanes were successfully tested. Wastewater samples from 1 airplane would be collected by Schiphol/KLM and tested for SARS-CoV-2 at KWR. The obtained resulted would be treated as **strictly confidential** and communicated only to the involved parties. To assure confidentially, KWR is available to sign a suitable agreement.

Early detection of COVID-19 in the wastewater of airplanes, would facilitate Dutch Health Authorities in their contact-tracing efforts, contribute to prevent the further spreading of the disease and, last but not least, protect the health and safety of both passengers and KLM personnel.

We look forward to the collaboration and results that this trial may offer. If you have any questions, please do not hesitate to contact me.

Yours sincerely,
KWR Water Research Institute

5.1.2e

5.1.2e