

Thames Water, London approached DropsA asking for a lubrication system for the aerators.

Aerators infuse air into the sewage and the oxygen pumped releases noxious gases such as CO₂ and methane from the sewage.



Analysis of the lubrication system

Essentially the lubrication should be carried out by Thames Water engineers that can cover multiple sites or pumping stations.

Due to reduced manpower they did not have the time to lubricate the bearings at the regular interval required.

Moreover due to health and safety the aerator would have to be stopped and emptied to allow an engineer proper access.



DropsA proposed:

▪ **Bravo BlueboX system**

Which incorporates all the instrumentation and monitoring of a grease system neatly in a box.



The photo shows the location of the bearings.

There are 4 in total and are in hard to reach places.

