

To: hats@etwb.gov.hk

Subject: Public Consultation - The Way Forward for Stage 2 of the Harbour

Dear Sirs/Madams,?????? ??????? Without Prejudice

With reference to the captioned subject, I am writing to express my personal opinions and views with some involvement of my Chemical Technology and Environmental knowledge.

This massive underground-tunnel system sewages collection system is by-far the most ambitious project in the regional and its aim is very clear, to clean and protect our environment, the Harbour.

With the technical review given, this sounds feasible but it is also a very expansive project and there is a question of durability of this new system and its effectiveness.

Underground tunnel will be built at various designated regions in HK and Kowloon, and will be treated locally and connect to the main sewage treatment facility in Stonecutters Island before releasing the treated sewage to the Ocean.

There are many critical control points and the Government must look into these CCPs, monitoring them and assess their effectiveness and their impart to the local residents such as tides, water current and back-flow of contaminated to the HK coastlines.

Large pieces of rubbish will be filtered off on each region and the residual sewage collected will be sent to Stonecutters facilities for both chemical and biological treatment.? However, I have doubt on the chemical reagent(s) to be used on the precipitation of ions in the sewage and its residual chemical toxicity to the ocean on this large scale.

Aluminium sulphate seems to be the best choice for precipitation followed by biological treatment.? This can be seem as a big chemical and biological treatment plants in Stonecutters Island, and EIA studies on her close proximity must be done and carefully re-examined.? Frequent sampling from the sites and near-by ocean water must be tested by HOKLAS labs such as HK Government Lab and international recognised environmental testing laboratories in German, USA, UK and China for test results correlation and verification purpose.

Inevitably, this project is very expansive and everyone of HK citizen and the users must share the price of having our Harbour "Clean-up".? On the contrary, we are reclaiming the Wan Chi and Central areas and stir up the sea bed with its heavy metals substances and toxic substances aggregated substances with PCBs and hydrocarbons, etc.? On one hand, we are talking about how and what to clean up our Harbour and we stir up the mess in the Harbour by reclaiming the land along our coast.? We have to strike the balance of them.

Having said that, a fair, opened-system and transparent administration and legislative systems must be established in place to ensure sharing of the

costing must be appropriately established with sufficient consultation.

Thank you.

Best regards,

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