



Yocto Technology

Attn: Dr. Sarah Liao, _____

Your ref. : L/M to ETWB(E) 55/07/72

Date: 18th Oct., 2004

Dear Dr. Liao,

Thank you for your correspondence, and sorry for my delay feedback .

Your response on the first question: the 2nd Stage is the last stage, we understand that , and it was clear enough on the Consultation document .By means of 3rd, 4th and 5th :

stage 2 would not be in effect until 10ye...s from now, and the prediction of stage 2 can last how long?(including the confidence mentioned in your correspondence)

The scenario is WHAT IF ? Eventually we would have to face the same question again and again. A boom of the population, scheme repeat, a shrinkage of the population, then our present investment is over utilized, basically what comes back around is the root of the problem has not diminished.

Response 3 even a 10yrs old child knows it is a common practice worldwide to transferring sewage by tunnels underground, but have you consider Hong Kong is always an extraordinary place, density of population, people's behaviour and culture, education background, a city that is so packed with industrial, commercial, residential occupants in such a small location, there is no where in the world to compare except Tokyo , however, it is a tradition that Japanese donot dump everything into the sewage, Montreal, Boston, they put leftovers, contaminants gatnered in containers, the majority of the population are living in counties with their own septic systems, so the pollution extend are noway to compare with Hong Kong.

A friend of mine used to be in the electroplating business, he dumped the untreated waste water just in the public sewage, he used to say a treatment system would cost over 1.5 million Hong Kong dollars easy, and most people did the same as he did, and now there is much more effective and economical systems available and can be a leading technology in Hong Kong.

Another friend of mine, Philippine Congressman Nantes asked me for a consultation of Power supply in the undeveloped areas several years ago, and they have a quote from mainland China was equivalent to 1 billion HK\$ per Kilometer for underground cable, so I know very well anything dig underground would cost a fortune.

Response 4, I bet there are plenty of professors and universities involved, but this is not LECTURING seminar, they maybe great or best in TEACHING basic theories, but when comes to practical matters, it is another story, because most of them would not have to evaluate the whole big picture, and the pollution extend in every corner of the World is getting worse, no place yet has become cleaner than ever before, so how can there be experts by someone who is not thinking or dreaming of the solution of these matters in every minutes. It is easy to agree with most people to say yes dig a tunnel, follow the common practice, but it should be every Hong Kong citizen's will that, yes we have the best and cleanest harbour, the freshest air, best drinking water in the world, and proud to say "that's why our living expenses are high .

Triatomic Oxygen :

As in nature ,Oxygen appears to be in diatomic form to support combustion for all living creatures , however, it is in triatomic form sometimes caused by natural effects such as after lighting storm to clean up the contaminants in air , and the oxygen layer in the stratosphere blocking the harmful over quantum section of the spectrum to protect all living things called Ozone by most people, and Triatomic oxygen by particular researchers especially inventors in recent years trying to relocate the appropriate and true hypothesis

of ozone which was crowned with a naive sceptical name "Smog". The temporary extra atom slitted by the over quantum energy is very active and it is a natural phenomenon and the key factor that it rush to search for any substance that it can oxidize with, to derive contaminants into unharmed particles to most of the life forms. It is the strongest oxidant besides from fluorine, but the safest to the environment because it leaves no active residues behind and for the remaining unoxidized atoms, its half life is only 20 minutes, and then decompose back to diatomic.

Base on this nature theory, scientists has achieved the innovation of generators for corona discharge and UV ozone generators. They can break down industrial wastes like phenol and cyanide to biodegradable compounds, they can even utilize minning wastes, photographic industry wastes like heavy metals, ethanol, acetic acidand so on. They are the only tools that can purify and clean up polluted areas such as lakes, streams, rivers without harming resident animal life nor leaving potentially harmful chemical residues such as chlorine the 1:99 joke in the ecosystem . It is also this only natural mechanism while treating wastewater will also treat the odor at the same time with no polluted air foul smell like sulfides, amines and olefins. And it controls the growth of bacterias, viruses, fungi , microorganisms, volatile organic compounds , pesticides..... and so on. There are over a hundred different viruses that are excreted in human feces canbe found in contaminated water, and viruses like those associated with hepatitis survive along period of time infect thousands of people a year , as a potent oxidizer, it terminates bacteria by rupturing the cell wall, Escherichia coli, Streptococcus fecalis, Mycobacterium, Tuberculosum, Bacillus megatherium (spores), Endamoeba histolytica, Salmonella typhimurium. As a potent virucide, it is seen as an effective alternative to chlorine which may yield chloroform and other compounds that are potentially carcinogenic, and "chlorination in water cannot adequately remove viruses to an acceptable level " according to the Encyclodedia of Chemical Technology.

However, most ozone generators on the market are corona discharging, but is not applicable to operate with long consecutive periods, and low concentration production.

UV ozone generators on the market have a same problem in common, the early solarization of the generating core, so it was never efficient for the high cost.

Until we came up with the innovative technology, specially designed with capability of operation over 20,000 consecutive hours. The same technology can apply to massive volume and compact as well for waste water, municipal drinking water, and air treatments (which can take care of the foul smell in Shatin waste water treatment plant etc. that can make you retch if you notice.

If a system of this technology is to be installed in every building in Hong Kong, then, all the waste water problems should be diminished for good locally. The same technology should be presented by Hong Kong to the Mainland China Government also, especially the Guangdong Province and Szechuan province, because (I donot know if you are awared) even if Hong Kong stops polluting the harbour, the harbour would still continue be contaminated because of the Shenzhen river and Pearl river, if you have ever been to the small towns around the river banks from Foshan, all the way down south, then you'll know.

Awaiting for your further interest of this technology to build a better tomorrow for Hong Kong and the World!

Yours truly,

TzeTsun Yeung

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