

### Primary Sedimentation



In primary sedimentation tanks, about 50% of the suspended solids in the preliminarily treated sewage are settled out and removed as primary sludge by sludge scraping mechanisms.

### Secondary (Biological) Treatment



This is a Secondary (Biological) Treatment. In aeration tanks, compressed air is fed continuously to provide oxygen essential to sustain the growth of micro-organisms (activated sludge), which will assimilate pollutants in the sewage. The reaction time is about 6 hours.

### Reflection:

We sincerely heart fully thank for the school to organize the Life Wide Learning Day. It's expected to be difficult for general public to visit place like this. To us, this is a treasurable chance to have a look on the sewage treatment plant. In this trip, it totally changes our impression on sewage treatment. Originally, we thought that the treatment must be muddy, awful, sticky and hard to treat. However, it's really surprisingly to us that the water after treatment is such crystal clean that is over our imagination. On the other hand, we have learnt a lot that cannot be found on textbooks and have an experience on visiting an advanced treatment plant. Last but not least, we wholehearted to hope that the plant would run longer and use more advanced technology to improve the water quality so as to protect our dearest Mr. Earth.