Construction of Sewage Treatment Works
at Yung Shue Wan and Sok Kwu Wan, Lamma Island

Media Briefing

Project Background

- Lamma Island, an outlying island without any centralised public sewerage systems at present, where sewage treatment by individual house owners using primitive soak-away methods is still in place. Due to site limitations and lack of proper maintenance, some septic tank and soak-away systems do not function effectively.
- Drainage Services Department (DSD) of the HKSAR government is carrying out a project to build village sewerage and sewage treatment systems in Yung Shue Wan (YSW) and Sok Kwu Wan (SKW), with a view to improving the water quality. This project embraces the following 3 groundbreaking technologies:
    - Using membrane bioreactor (MBR) in medium size municipal sewerage treatment plant
    - Applying Horizontal Directional Drilling (HDD) technology in a "land to sea" circumstance to construct the submarine outfalls
    - Adopting a miniature helicopter device to take aerial photographs and videos

Project Brief

The project implementation is split into two phases - the "Stage 1 Village Sewerage Works" contract and "The Sewage Treatment Works" contract. The facilities to be built under the two contracts include village sewerage systems, sewage treatment plants, pumping stations and submarine outfalls in YSW and SKW. The Stage 1 Village Sewerage Works has been substantially completed in March 2011, while the Sewage Treatment Works are scheduled for commissioning in phases in 2013.

Membrane Bioreactor (MBR) Technology

- Presentation on the mechanism and merits of MBR technology

Horizontal Directional Drilling (HDD) Technology

- Presentation on the application of the "land-to-sea" type HDD technology in the submarine outfalls construction in YSW and SKW

Miniature Helicopter Device

- Presentation on the use of miniature helicopter device on monitoring progress of works

In order to enrich visitor's savvy, a set of MBR module will be placed on site and a live showcase for the miniature helicopter device will be conducted.