CONTROLLING OFFICER'S REPLY

(Question Serial No. 5051)

Head: (39) Drainage Services Department

Subhead (No. & title): (-) Not Specified

Programme: (1) Stormwater Drainage

Controlling Officer: Director of Drainage Services (CHUNG Kum Wah, Daniel)

Director of Bureau: Secretary for Development

Question (Member Question No. 106):

Regarding the programme of stormwater drainage, please advise this Committee of:

1) any plans to redevelop some suitable regional drainage facilities in such a way to support rainwater collection for other uses when the planning and upgrading of stormwater drainage systems for each district is carried out? If yes, what are the details of such plans?
2) any studies, including those by reference to overseas experience, conducted over the past five years to examine whether local stormwater drainage systems can support collection of suitable water resources. If yes, what are the details? If not, what are the reasons?

Asked by: Hon.WU Chi-wai

Reply:

1) & 2) The Drainage Services Department (DSD) has examined various options of rainwater re-use in some of the recent drainage projects. DSD has on a trial basis included facilities to re-use collected rainwater for non-potable uses in two drainage projects. A rainwater harvest system of capacity of 120 m^3/day has been built in the Lai Chi Kok Drainage Tunnel project. The rainwater collected will be stored in the Stilling Basin and will be used for irrigation, cleansing and toilet flushing within the compound of the Stilling Basin after appropriate treatment. The water could also be made available for street cleansing. Another system of capacity of 600 m^3/day is being constructed in the Happy Valley Underground Stormwater Storage Scheme at the Happy Valley Recreation Ground. Underground water as well as irrigation water and rainwater collected from the sport pitches above the underground stormwater storage tank will be stored, treated and then re-used for toilet flushing and irrigation of the sport pitches after treatment.