

**CONTROLLING OFFICER'S REPLY TO  
INITIAL WRITTEN QUESTION**

**ENB043**

Question Serial No.

2299

Head: 39 - Drainage Services Department      Subhead:

Programme: (2) Sewage Services

Controlling Officer: Director of Drainage Services

Director of Bureau: Secretary for the Environment

Question:

The Department will continue to maintain sewage treatment facilities. In this connection, please advise the Committee on:

- a) the number of maintenance works carried out on sewage treatment facilities by the Department last year. What is the respective number of works on Hong Kong Island, in Kowloon and the New Territories? What is the expenditure involved? Do all of them have odour mitigation facilities? If yes, what are the details? If not, what are the reasons?
- b) the expenditure and manpower involved for the implementation of the Harbour Area Treatment Scheme last year. What are the details of the Scheme?

Asked by: Hon. IP Wai-ming

Reply:

- a) The sewage treatment facilities maintained by the Drainage Services Department (DSD) in 2010 are listed below:

Location	No. of Sewage Treatment Facilities
Hong Kong Island and Outlying Islands	89
Kowloon	37
New Territories	151
<b>Total</b>	<b>277</b>

The revised estimated expenditure involved for the repair and maintenance of the above sewage treatment facilities is \$410 million for 2010-11.

All the sewage treatment facilities that may cause odour nuisance to the public have been, or are being, provided with odour control measures. DSD has adopted one or a combination of the following three types of measures in the sewage treatment facilities to tackle the odour problem:

- (i) dosing of chemicals or injection of oxygen into sewage to control the generation of odour;
- (ii) covering up of odour sources at the facilities; and
- (iii) using deodourisation units to clean up foul gases from odour sources in the facilities.

- b) The estimated expenditure of Harbour Area Treatment Scheme (HATS) stage 2A is \$2,110 million in 2010-11 with the manpower input of 2 420 man-months of professional and technical supervision.

HATS stage 2A comprises the construction of 21 km deep tunnels, the upgrading of eight existing preliminary treatment works on Hong Kong Island and in the existing Stonecutters Island Sewage Treatment Works to provide additional treatment capacity and disinfection treatment. The construction works commenced in a progressive manner since July 2009 and we have so far awarded nine works contracts, totalling \$11.7 billion. Two other works contracts are being tendered. Our current target is to complete all the essential construction works for commissioning of HATS stage 2A in 2014-15, bringing about further long-term improvements to the water quality of Victoria Harbour.

Signature \_\_\_\_\_

Name in block letters \_\_\_\_\_ CHAN Chi-chiu

Post Title \_\_\_\_\_ Director of Drainage Services

Date \_\_\_\_\_ 15 March 2011