

project proponent and approved under the EIAO to confirm that there will be no insurmountable environmental impacts associated with the construction and operation of the RTS.

- 8.1.3** There is no major difficulty, on technical grounds, for applying the Automated Refuse Collection System, as evidenced by the application to 2 public housing estates in the pilot scheme. The use of ARCS for combined sites will have institutional and financial issues to be resolved, though not insurmountable. South East Kowloon Development, being a newly developed area, will provide a good opportunity of applying the Automated Refuse Collection System than in other developed and congested areas. As such, an institutional framework should be formulated to target for a wider application. A further study, based on the initial findings of this report, is recommended to allow the implementation to follow.

9. SEWERAGE AND SEWAGE TREATMENT IMPLICATIONS

- 9.1.1** The philosophy of conventional "shallow" gravity sewers coupled with sewage lift stations is proposed to be provided for the sewerage of SEKD. This approach provides conventional gravity sewers to cater for the developments within each subcatchment area, and subsequently drains the sewage to a local lift station which would be situated adjacent to a major stormwater drainage culvert or underground road. At the lift station, the collected flows would be pumped over the drainage culverts into the next subcatchment, to discharge into a manhole where the sewage would flow by gravity into the next lift station. Ultimately, the collected sewage would be directed collectively to either the To Kwa Wan PTW or the Kwun Tong PTW.

- 9.1.2** Based on the population and landuse distribution for the SEKD development, and also on the population projections in the hinterland by the RCEKSMP study, it is shown that there may be a potential capacity constraints at To Kwa Wan PTW by 2016. For Kwun Tong PTW, depending on which current PWWF projections are adopted, there may be a potential capacity constraint by year 2016. Provision for expansion areas at both the Kwun Tong and To Kwa Wan PTWs has been allowed for to make allowance for any future upgrading should this be found necessary. The outcomes of the HATS study will determine the requirements for expansion of the PTWs.

10. RISK ASSESSMENT

10.1 Ma Tau Kok Gas Works

- 10.1.1** In order to establish the acceptability of the proposed South East Kowloon Development, a quantified risk assessment of the risk from the Ma Tau Kok Gas Works to the surrounding population has been carried out.

- 10.1.2** The risk assessment has considered two cases, as follows:
- Base Case - current operation of MTK Gas Works for the South East Kowloon Development population.
 - Mitigated Case - current operation of MTK Gas Works, but with buried gas outlets, for the South East Kowloon Development population.

- 10.1.3** The levels of individual risk for the current and mitigated current cases do not exceed the "Acceptable" limit (10^{-5} per year) of the Hong Kong Risk Guidelines and therefore no parts of the development lie within any unacceptable areas of individual risk.