



Water for All: Conserve, Value, Enjoy



ASSOCIATION OF
CONSULTING ENGINEERS
SINGAPORE

1 April 2016

QECP Review Panel

EARTH CONTROL MEASURES(ECM) PLANS AND SERVICES

With the completion of 12 quarterly review sessions to date and the many sharing sessions and interactive workshops conducted, the QECP Review Panel has gained valuable insights on the quality of current QECP's ECM plans and services.

The review panel would like to share the following findings/guidelines arising from the 12th Review Session:

- a) Some QECPs have included the silty water treatment plant as part of the total holding capacity for silty water. However, the treatment plant treats the silty water at a prescribed flow rate and there is no holding capacity within the treatment plant. In view of the above, the inclusion of treatment plants as part of the holding capacity will not be accepted with effect from 1 Jun 2016 and the submission will be rejected accordingly.
- b) For above ground holding tank design proposal, contractor should provide justifications that the system is able to function at all time, in particular, during heavy rain in the middle of the night. The justifications shall include detailed calculations of number of pumps and pump size, provision of redundancy to cater for maintenance and breakdown, positive suction head at the sump pit, provision of power supply for the automated system throughout the entire operation, and configuration of the automated system and the standby manpower as necessary. The above information, schematics and technical drawings shall be clearly enclosed in the ECM plan for contractor to strictly adhere to. Contractor shall engage a QP (mechanical) to design and endorse the pumping system and monitor the performance and revise the ECM design accordingly.

2 It is noted that some of the QECP still have not renewed their practicing certificates. For all submissions to PUB on ECM plan, QECP are required to have a valid QECP Certificate. QECP without a valid certificate shall not continue to submit ECM plan for any project.

3 Please feel free to contact Mr Stanley Ho [stanley.ho@iesnet.org.sg] at 64695000 for clarifications.