

## Canadian Institute of Public Health Inspectors BC Branch Continuing Education Fall Webinar Series 2015

### Pool Entrapment Hazards

September 22, 2015 from 10:30 - 12:00 (PDT)

In the Vancouver Coastal Health area in British Columbia, there are a lot of older pools that were constructed in the 60's with single main drain that has a very small open area. For the newer pools built after the 70's, changing out the main drain covers casually has sometimes resulted in higher velocity through the drain covers. This presentation reviews the risks of entrapment hazards in pools arising from the pool recirculation system. Solutions to reduce the risks and issues arising from implementing the solutions will be considered. Topics include proper drain covers, flow meters and flow calculations will be discussed. Changing the main drain covers should take into account not only the velocity through the new covers but also the effects on the turnover rate and filter loading.

#### **Michael Wu, P. Eng.**

**Public Health Engineer, Vancouver Coastal Health**



Michael is the Public Health Engineer in Vancouver Coastal Health, BC. He is a Professional Engineer with a M.Sc. in Public Health Engineering from the Imperial College and a Master of Engineering Degree in Environmental Engineering from UBC. He has extensive experience working in municipal governments and health protection agencies, in areas of solid waste management, water supplies, rainwater management and public swimming pools. Before joining Vancouver Coastal Health, he was the Public Health Engineer in North Health for a few years. One of the issues he is interested in is the recognition of entrapment hazards in swimming pools.