Code Changes 2014 - How is the Industry Adapting?
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Area Beds/Type A Dispersal
- Type a Bed A bed is intended to replace the BMEC-authorized area beds
- We know this for sure now since the BMEC has written to the authorization holders indicating they are considering their revocation
- Some confusion at the start about which would (BMEC vs OBC) be in force
- Note that the changes affect the vertical separation (600 mm), distribution (to within 600 mm of edge) and setback reference point (now the stone)

Changes for 2014
- Big changes for 2014 in the 2012 code revision
- Most significant changes since 1997
- Main changes are related to alternative leaching bed designs
  - Type A (area beds) – intended to replace area bed approvals in BMEC
  - Type B – new type of pressurized leaching bed
  - Means for locating beds post construction
- Continuing development on the reinspection front

Type A Dispersal - response
- Some municipalities (most) have decided to stick with the BMEC authorizations if asked
- Some municipalities (only a few) have decided to make the change to the code since they felt this superseded the BMEC
- Some manufacturers/installers/designers have decided to adopt the building code
  - Not a surprise that these tend to be those with little or no impact on the installation as a result of the changes

Major Changes Type “A” BED
BNQ Certification Requirement

- Treatment Units
  - Treatment units can now be certified to CAN/BNQ 3680-600
  - SB-5 will be revoked on January 1, 2017
  - By 2017 all must be certified

BNQ Certification Requirement

- Survey of manufacturers at 2014 OOWA conference:
  - Will you be certifying to BNQ?
  - All but one answered – yes!
  - Single no answer was conditional on getting assistance from head office
  - All concerned about the testing capabilities (i.e. availability of space) at the existing testing centres

BNQ Certification Requirement

- Significant increase in interest expressed in our Alfred facility 10+ inquiries about testing – some already underway
- Quebec facility also seeing increase in inquiries
- Note that only 3 have achieved certification to date
- Time to get certifying!

Detection Means

- Detection means for header and distribution lines now required
  - Wire, magnetic means or other means of locating

Detection Means

- What are folks doing?
  - Everything from “soup to nuts”
  - Wire – perhaps the most common – occasionally problems with cheap wire – some complaints about cost and time
  - Re-bar – at corners of bed (mostly), in some cases for all lines
  - As built drawings
  - GPS’ed
Type IV treatment system leading to a pressurized stone bed
Has additional requirements – e.g. Linear loading rate consideration
Simple design, effective, used in a number of other jurisdictions e.g. BC
Cannot find a single one that has been put in!

Type IV Bed

Why none?
1. Sizing for other systems used in Ontario
   SBT smaller for all T-times greater than 12 min/cm
   Filter Bed smaller for all T-times less than 15
   A basically the same size, sand is cheaper than stone
2. Conversion from BC requirements
   B.C. flows about 15% less than Ont. (e.g. 4 bedroom house – Ont: 2000l/d; BC 1700 l/d)

Re inspection Programs
Application continues to expand across the province
- many discretionary programs
- Done both in house and via external contractors
- There are some million $ contracts out there
- mandatory programs all need to be in place by 2016 – many are in place, not all.

Summary
Industry is adapting to changes in code
Area bed / Type A bed is working itself out
Type B beds will remain an unused option unless sizing criteria changes
Locating approaches are highly varied – what will happen down the road when one goes to find these beds and the method is unknown
Questions?