

# Human Health Risk Assessment

What to do with the construction/trench worker?



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MOE – Update Sessions May 19 & 20<sup>th</sup>, 2010

- FAQ indicating that the construction/trench worker need not be evaluated in a human health risk assessment was an error.

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Current MOE policy –

*The trench worker scenario needs to be considered from both investigation and assessment of risks standpoints. Should the risk assessment outcome indicate an unacceptable level of risk, then it would be dictated that future trench workers at the site would need to follow a health and safety plan to manage the risk, bringing it down to an acceptable level.*

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How to assess the construction/utility worker exposure to subsurface vapours?

- No attenuation of subsurface vapours?
- Attenuation using Virginia Trench Model?
  - What trench dimensions? Would these become conditions on site development?
- Attenuation using 0.01 (TG 4 shallow source Outdoor air)?

# Human Health Risk Assessment

Is it reasonable to recommend that construction workers working on contaminated sites should adhere to a health and safety plan aimed at minimizing exposure to contaminants?