

## Capping Stack Analyses and Uncertainty

- Insufficient information to perform an uncertainty analysis on flow rate and total flow at time of meeting.
  - Values presented are point estimates only
  - The uncertainty is not bounded by the range of values presented
- Uncertainty sources
  - Model Form
    - Evaluations used 3 approaches for flow before WIT. Agreement may only be fortuitous as each has significant assumptions
      - **Method #1: e.g. K does not change with flow**
      - **Method #2 & 3: e.g. K based on water (instead of two phase flow), K's can be added**
  - Boundary & Initial Conditions
    - Pressure & flow rate uncertainty
  - Other model parameters
    - EOS parameters, friction factors, etc.