

## Minutes for the Microbiology FoPT Subcommittee for 4/12/13

Approved: 5/22/13

Present: Andy Valkenburg, Jennifer Best, Carol Haines, Pasty Root, Jeff Lowery, Mike Blades, Bennie Cockerel, Susan Butts, Stacie Metzler

### Scope Item #1 Discussion

Obtain data from PT Providers to determine what ranges are being used now. Different PT Providers use different concentrations that may be extreme. Information on strains will also need to be evaluated, so getting both types of data from PT Providers now would be helpful.

- ERA has been producing these samples since 1999 and can produce records- Mike will share records.
- Jeff may be able to provide data from Phenova
- Patsy can help obtain data for PT samples in use from NSI
- RTC- Susan will contact Pat regarding data and information
- Ranges for HPC and other quantitative tests is already defined
- This subcommittee will focus on concentrations in qualitative samples
- What did EPA do when samples were prepared by them- Jennifer will check and see if there are historical records available to determine how samples were prepared
- Mike will review the EPA criteria document to see if there were PT design specifications included
- Range for Source water PTs is 20-200
  - TNTC is defined in 40 CFR Part 141 as anything over 200
  - For MF the minimum is normally 20, to be counted to determine results.

### Scope Item #2 Discussion

- ISO 11133 provides guidance on strains. Patsy is involved with update underway, and anticipated the update to be complete in October.
- Will provide examples from the standard for the committee to evaluate
- If the subcommittee needs this document to complete the task Stacie will work with TNI to obtain a copy if necessary.
- Strains of bacteria in use are not considered proprietary
- Need to evaluate ISO 17043 and see if there is information specific to Microbiology PT preparation.
- Patsy will check with UK to see what strains are in use and range of drinking water PT ranges for NPW and DW? Are there strains that must be used?
- Are there specific strains that result in bi-modal distribution? Should strains that are suitable for all methods only be used?

- Suggesting strains may not be the answer- if PT providers are producing a TNI/ISO compliant product, and have completed verification testing, regardless of the strains in use, suspect result
- In summary
  - PT Provider data for Qualitative drinking water PTs:
    - Quantitative Analysis of Qualitative Samples on preparation concentration
    - Providers provide strains used
    - preparation failure rates and failure rates per method
    - Whether sample is lyophilized, full volume, freeze dried when shipped
      - Jeff- Phenova
      - Mike- ERA
      - PATSY- NSI
      - Susan- RTC