



New edition of 'UV Guidelines' by NRWI

The National Research Water Institute in the US has announced the publication of the third edition of the "Ultraviolet Disinfection Guidelines for Drinking Water and Water Reuse". These guidelines provide an updated protocol for testing and validating UV performance in water treatment.

Key revisions include:

- All reclamation systems must undergo commissioning tests that demonstrate disinfection performance is consistent with design intent.
- Velocity profiles have been eliminated as an option for transferring pilot data to full-scale facility design.
- On-site MS-2 based viral assays are used for both the validation and commissioning test.
- A standard MS-2 dose-response curve is used to derive the reduction equivalent dose.
- The design equation is based on the lower 75-percent prediction interval for reclamation systems. The lower 90-percent prediction interval is used for drinking water systems.
- Commissioning tests will require seven out of eight on-site measurements exceeding the operational design equation.
- The addition of an appendix to illustrate the computations involved in the application and evaluation of UV disinfection systems.

You can download the full report at: www.nwri-usa.org/uvguidelines.htm

Join our discussion on LinkedIn (<http://www.linkedin.com/groups?gid=3920148&mostPopular=>): Do you think these new guidelines will have impact on the application of UV technology for drinking water and water reuse in other countries than US as well?