

Technical Guidance for Public Health Standards for Onsite Water Systems

The San Francisco Public Utilities Commission (SFPUC) and the National Water Research Institute (NWRI) are working together to develop recommendations for public health standards for treated alternate water sources for non-potable applications, including water quality criteria, monitoring regimes, and permitting strategies for onsite water systems. The project is sponsored by Water Research Foundation, WaterReuse Research Foundation, and Water Environment Research Foundation.

The Independent Advisory Panel (Panel), which includes individuals with technical expertise in criteria setting, risk assessment, water treatment, microbiology, water quality, and regulations, will review information currently available on criteria, regulations, and experience for the purpose of providing a recommended approach for the proper oversight of onsite water systems. The Panel will also receive input and comments from a stakeholder advisory committee comprised of local, state, and federal public health officials. The goal of the project is to establish a set of guidelines that can be used by public officials in developing programs to manage and oversee onsite water systems.

The Panel will formulate a set of findings and recommendations by assessing the questions and issues associated with on-site treatment systems. These topics will address the following:

- Water quality criteria for a number of alternate water sources (i.e., graywater, rainwater, blackwater, stormwater, and foundation drainage)
- Applications and end uses of treated alternate water sources (toilet/urinal flushing and irrigation)
- Available treatment technologies
- Monitoring regimes and reporting for performance
- Operational requirements and permitting strategies

[Link to Project Fact Sheet](#)

[Link to Expert Panel](#)

[Link to National Water Research Institute Project Web Page](#)