

Abstract of Presentation

Presentation Title:

Sustainable Sanitation System based on the concept:
“don’t collect” and “don’t mix” wastewater

Abstract:

Although access to safe drinking water and basic sanitation are taken up together in Target 10 of the Millennium Development Goals, sanitation has been attracting less attention, funding and human resources than water supply.

“Don’t mix !”, “Don’t collect” is our important concept. Considering the actual tendencies towards sustainable sanitation in recycling society and the pressure on the world’s water resources, the onsite wastewater differentiable treatment system (OWDTS) is a new approach with higher potential for future water system. The benefits of using the OWDTs may be analyzed from the viewpoints of water and soil contamination prevention, conservation of resources, reduction of health risk for population, and economics. Separating black water gives (1)recovery and recycle of nutrients; (2)elimination of micro-pollutants in urine; (3)elimination of sources of pathogens; (4)reduction in human health risk; (5)reduction of wastewater flow; and (6)conservation of water resources.

(142 words)