

Water pollution control - municipal technological innovation

Library of Congress, Congressional Research Service - 10 ways technology is changing the future of water



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- Water quality -- United States

Water -- Pollution -- United States Water pollution control - municipal technological innovation

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Cutting Through Environmental Issues: Technology as a double

In addition to the toxic materials frequently found in treated effluents, organic substances and their related pathogenic micro-organisms also flourish. Unfortunately, conventional water treatment methods, such as sand filtration and chlorination, don't get rid of these tiny menaces. Secondary Treatment: The biological activity characterizing this type of treatment further removes BOD 5 and TSS.

Could these five innovations help solve the global water crisis?

Biofuel can be solid, liquid or gas and be used to power vehicles or used to enhance other types of fuel.

Socioeconomic constraints on the technological choices in rural sewage treatment

It soon became necessary for all water closets in the larger towns to be connected directly to the storm sewers. One complication: In order for the process to work, the water has to be clear, which is a problem in rural areas where people get their water from rivers, streams and boreholes that yield water filled with suspended clay particles.

4 New Innovations That Are Fighting Water Pollution

Moreover, tests are not done often enough to coincide with CSO events.

7 New Technologies That Create Clean Water for a Thirsty World

Photograph: Photographer: Prashanth Vishwanathan In hot and dry climates, many farmers pump groundwater to irrigate crops, and there has been a growth in the use of solar-powered pumps.

Socioeconomic constraints on the technological choices in rural sewage treatment

The devices of yesteryear are responsible for emitting heat pollution into the atmosphere, which over years has helped with putting a stamp in the atmosphere. The device employs the same purification technology used by bottled-water plants, but it's been miniaturized, so that it weighs just 6. The DCMD's tubes have tiny pores, which are designed so that they can be penetrated by the water vapor which collects on them, but not by salt.

Water Pollution Control Technology Database

As both have a low minimal infective dose, the risk of infection is elevated when even small amounts of contaminated waters are ingested. The vapor diffuses through the pores and is drawn off, to be condensed again into liquid water.

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