



GEMI[®]

Collecting the Drops:

**A Water
Sustainability
Planner**

Case Example

3M: Converting Wastewater to an Irrigation Source in Bangalore

In 2003, 3M India's Bangalore facility installed a new wastewater treatment system to treat wastewater on-site. The Bangalore facility uses the treated water to irrigate its grounds instead of sending wastewater off-site for treatment.

The technology used for the treatment includes sequential batch reactor, dual media filters, and chlorination. The dry sludge from the treatment is dewatered and then used as a fertilizer. The filtered water is sent back to the collection sump. The treatment system reduced the facility's water use by 1,500,000 gallons per year and cut the facility's water costs by 50 percent.