



GEMI[®]

Collecting the Drops:

**A Water
Sustainability
Planner**

Case Example

The Procter & Gamble Company: Meeting Environmental Goals in Spain: Starting with the Housekeeping Details

A Procter and Gamble Company (P&G) manufacturing plant in Spain demonstrates aspects of P&G's environmental policy: to reduce or prevent environmental impact in product design, manufacture, distribution, use and disposal; to meet or exceed the requirements environmental regulations; and to continually assess programs and monitor progress toward environmental goals.

Housekeeping efforts at the P&G plant in Mataro, Spain have improved materials recycling by completely separating the waste streams from the detergent plant and the Sunny Delight plant, and by segregating waste into paper, metal, and so on. This was part of the early phase to support the Company's IWS (Integrated Work System) work process. The goal is no defects and zero waste. A team approach involved many on-site disciplines.

In a next step, the Mataro plant's detergent-making operation moved to comply with recent legislation by starting up a wastewater treatment unit designed to reduce surfactant emissions to below four parts per million (ppm); the legal limit is below six ppm. Design improvements enable the plant to avoid releasing surfactants into the wastewater effluent and to use internal recycling. Moreover, the plant aims to complete further improvements that will enable it to become a "zero effluent site" that reuses its wastewater as industrial water for the manufacturing process. This is one of the last phases in IWS.