

Waste minimization: water use in a Kenyan milk powder factory

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Abstract

Water consumption was measured in a milk processing plant which primarily produces milk powder and butter. There is no milk powder production in the dry season, when the milk is pasteurized and taken elsewhere for packaging. Distribution of water to different parts of the factory was analysed. The factory's water saving potential is estimated to be 45 per cent during the dry season and 43 per cent during the milk powder production season. Proposals are made for saving water.