

218. WATER CONSERVATION IN BREWERY INDUSTRY

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Water is life. According to a report released by the International Water Management Institute (IWMI) at the Stockholm World Water Conference in 2006, a third of the world's population (roughly 2 billion people) is facing water scarcity now. In recent years water scarcity have affected developed countries too. In this world Ninety seven percent of water is seawater and not readily available for human consumption. Of the 3.0%, permanently frozen in the Arctic and Antarctica, groundwater, swamp and permafrost constitute 2.5%. So that leaves only 0.5% (equal to 105000km³) in rivers and lakes to meet the needs of humans and the requirements of the planet's fresh water ecosystems. Industries also using the fresh water from lakes and rivers for their purpose in that brewing industry are one of the largest industrial users of water. So water conservation and waste minimization is more important in process industries. Unwanted usage of water for domestic and industrial purpose will minimize the fresh water for future development. This paper says effective measure of water conservation and reusing methods to minimize water scarcity and waste water in process industries.

Keywords: Water scarcity, Water conservation, Water reuse.