

“Wastewater Recycling And Re-Use As Solution To Water Stress In

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Abstract

Water stress as defined by the (European environment agency 2014) occurs when the demand for water during a certain period of time exceeds the available amount or poor quality exceeds its use. Water recycling is reusing treated wastewater for beneficial purposes such as agricultural and landscape irrigation and industrial processes (United States environmental protection agency 19951). The analysis of the various events leading to water stress or water scarcity to be broad has been done over the years in very many areas globally and regionally and different solutions have been arrived at by different experts. However, it is good to note here that the solutions are not globally applicable but specific to the problem and to the area. This project provides an overview of water stress in the region along with some brief review of the literature and an empirical background. It reviews the difficulties faced by water users in obtaining fresh water sources through direct interviews, direct observations and questionnaires, analyses the data collected and analyses the option of waste water recycling as the solution to water stress. This study will provide necessary information to water providers on how to reduce the deficits in supply and also help jog the minds of all stakeholders towards recycling and other technologies.