

The Technics of Desalination Water in Algeria

Authors : H. Aburideh, Z.Tigrine, D. Ziou, S. Hout, R. Bellatreche, D. Belhout, Z. Belgroun, M. Abbas

Abstract : Faced with climate hazards in recent decades and the constant increase of the population, Algeria is making considerable efforts to provide water resources and water availability, both for its nascent industry, agriculture and for the drinking water supply of cities and arid region of the country. Following a remarkable worldwide technological breakthrough in seawater and brackish water desalination, known in recent years, the specialists have seen that the use of desalination of sea water in Algeria is a promising alternative as long as it has a coastline of 1200 km. Seawater is clean and virtually inexhaustible resource; mainly for population and industry that have high water consumption and are close to the sea. The purpose of this work is to present information on the number of sea water desalination stations and demineralization plants existing in Algeria. The constraints related to the operation of certain stations; those which are operational, those that are not operational as well as the seawater desalination program that was hired to cover 49 desalination plants across the country at the end of 2019 with the aim of increasing and diversifying water resources.

Keywords : desalination, water, membrane, demineralization

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