

## عنوان مقاله:

Irrigation system design for treated waste water use

## محل انتشار:

اولین کنفرانس بین المللی منابع آب با رویکرد منطقه ای (سال: 1388)

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## نویسندگان:

Houshang Ghamarnia - *Department of Irrigation and Water Resource Engineering, College of Agriculture, Razi University, Kermanshah, Iran*

Salooome Sepehri - *M.Sc student in Department of Irrigation and Water Resource Engineering, College of Agriculture, Razi University, Kermanshah, Iran*

## خلاصه مقاله:

Treated wastewater, which was once considered a waste for disposal, now is a resource desired by commercial entities, municipalities, county parks, and various recreation departments, and residential developments. Properly treated wastewater effluent has been used to augment potable water resources for many parts of Iran. Various types of irrigation systems can be selected for using with treated waste water. For example, for reclaimed water use allowing unrestricted public access any type of sprinkler or drip system can be used on agricultural crops. Irrigation systems can be used to apply treated water to landscape and agricultural crops in regions with a moisture deficit during the growing season, for forest protection in the spring and fall, and crop cooling purposes during the hot part of the summer. The general philosophy is that the irrigation system will be designed and operated to make beneficial use of treated water, as opposed to disposal in a watercourse or to ground. This philosophy is necessary to prevent excessive irrigation and subsequent negative impact on the irrigated lands and lands down-gradient from them. The main objective of this paper is to prepare a brief and a useful guide and criteria for Irrigation Engineers for selection and design of different irrigation systems using treated water in accordance with the municipal sewage regulation.

## کلمات کلیدی:

treated water, irrigation systems, municipal sewage

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/83085>

