

Environmental Water Systems Branch

The Environmental Water Systems Branch aims to treat and manage the natural water and water of industrial hydraulic installations, which includes surface water sources such as rivers, streams, lakes, seas and surface runoffs, as well as groundwater sources and define the need for different hydraulic installations and prepare their designs for the purpose of controlling water, collecting, distributing, organizing and studying The impact of different environmental factors on these sources, as well as their impact on environmental elements to achieve the goals of optimum utilization and sustainability.

The environmental impacts of water resources will include economic, social, aesthetic and tourism effects, as well as the impact on animal and plant living creatures that exist in the various water systems or on the surrounding land.

Environmental Pollution Control Branch

The Environmental Pollution Control Branch aims to study the various pollutants that enter into or generate in the ecosystems of water, air and soil. These pollutants include all physical, chemical and biological factors affecting environmental balance and human, animal and plant health and determine their impact on the environment and the permissible limits to avoid damages. These pollutants are produced from various human activities and from some natural phenomena as they are generated from life, industrial and agricultural activity, building and construction or demolishing activities, as well as from natural phenomena such as volcanoes, earthquakes, climate variation, global warming, etc. and studying levels of influence on biological systems and the impact of plant or animal societies and microorganisms in terms of species and genera. It also provides solutions to these problems to address them or limit their impact through various physical, chemical and biological treatment methods, designing treatment systems with multiple technologies developed industrially and operating at high efficiency with minimal costs from energy, chemicals and technical manpower and achieving sustainability. For all positive activities in the field of the environment.