

CASE STUDY:

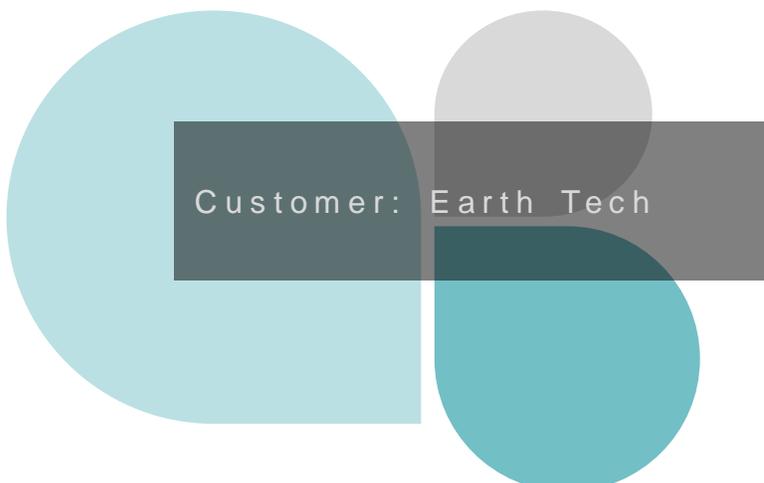
New Canaan Wastewater Treatment Plant CONNECTICUT, USA

New Canaan, Connecticut is one of the most affluent cities in the United States. And in 1998, the New Canaan Wastewater Treatment Plant began the process of a ten million dollar upgrade to their wastewater facility and pumping stations.

The new plant design incorporated an instrumentation system that uses alarm monitoring and reporting for remote pumping stations to communicate with the treatment plant by telephone. The new design also included an upgrade for the headworks portion of the wastewater plant to replace their existing fine screen which required constant maintenance.

Earth Tech was appointed the engineering consulting firm responsible for the design and consigned the task of ensuring the effectiveness of their upgrade and monies well spent. Only high quality equipment was acceptable. Earth Tech and the City of New Canaan's Engineering Department chose a Headworks[®] MS[™] bar Screen for its strength, durability and low maintenance costs, the precise reasons why it is the unsurpassed market leader in the industry.

This installation started up in March of 1999. The Headworks[®] MS[™] Bar screen, with 1 inch openings, has been running in New Canaan reliably for the past seven years. The chains, sprockets and lower bearings are all original and have never required replacing. The Screen protects all of the downstream equipment and processes, handling a maximum flow of 5.5 mgd with a maximum water depth of 3.6 ft in a channel 3' wide and 7' deep.



Customer: Earth Tech

Plant supervisor Jim Rogers states, "We have been operating the MS[™] Bar Screen for more than 7 years with no problems whatsoever. The spare parts that we purchased with the screen are still on the shelves waiting for future repairs."

Since the upgrade, the New Canaan WWTP has been recognized by the EPA for its outstanding work in maintaining an efficient facility and its overall commitment to improving water quality. It was one of the first facilities in Connecticut to upgrade to nitrogen removal and ultraviolet disinfection. It also has a collection system management program that resolves infiltration and inflow problems.

The Headworks[®] MS[™] Bar Screen has worked reliably for the New Canaan WWTP. Most importantly the robust, durable and low maintenance benefits of the MS Bar[™] Screen ensure that the rest of the process is protected and the facility maintains its low nitrogen effluent levels.