

Water Treatment Plant Filter Media City of Cooper, Texas



This project was undertaken in response to concerns about the water treatment plant's ability to meet water demand in the summer months of 2012. The filter media in the three north filter cells were experiencing shorter filter runs, as well as a situation called "growing media" — a condition that is normally associated with inadequate backwash capabilities and/or problems with chemical fouling of the media. The growing media could have resulted in the inability to produce enough water to meet high demand in the summer months.

Therefore, Filter Cell #7 was rehabilitated. The photo on the left shows the extreme build-up of chemical hardness on the inlet pipe and the backwash trough, and the photo next to it shows the total lack of build-up after rehabilitation.

The chemical fouling of the filter underdrains and the filter media was also removed. This allowed the filter production rate to increase back to original levels.

The owner was therefore able to easily meet the high summer water demands.

Services provided by Hayter Engineering are listed at right.

This project was completed in 2012.

CLIENT

City of Cooper, Texas

CONTACT

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CONSTRUCTION COST

\$28,500.00

SERVICES PROVIDED

Preliminary Engineering Report
Design Plans & Specifications
Construction Bid & Award
Materials Testing