

# HIGH PERFORMANCE RESULTS FOR DANESMOOR WWTW TERTIARY N-SAF

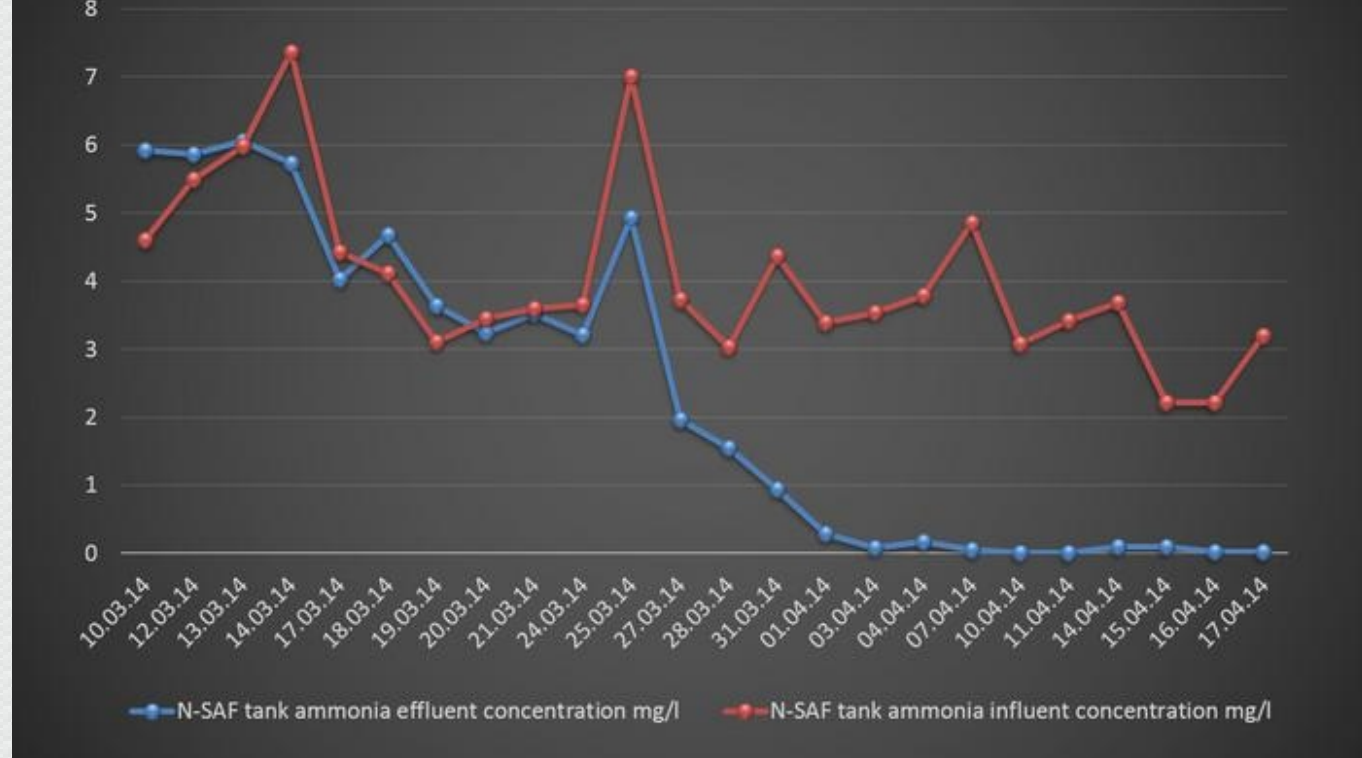
## THE CHALLENGE

In a competitive bid environment, WPL won the contract to deliver a tertiary treatment plant which required high specification standards and involved challenging access and on-site logistics.

## THE RESULTS

The eight steel modular tertiary N-SAF tanks designed by WPL engineers were installed ahead of time and on budget providing the following results.

## GRAPH SHOWING TERTIARY N-SAF PERFORMANCE DATA DURING SEEDING PROCESS IN 2014



## 0 mg/l

N-SAF tank ammonia effluent concentration achieved in April 2014

## Within 1 month

the N-SAF tank was fully operational achieving 0 mg/l ammonia effluent

## READ THE FULL CASE STUDY & WATCH THE TIME LAPSE VIDEO AT:

**WPL Provides Their Largest Treatment Plant for Yorkshire Water | WPL**

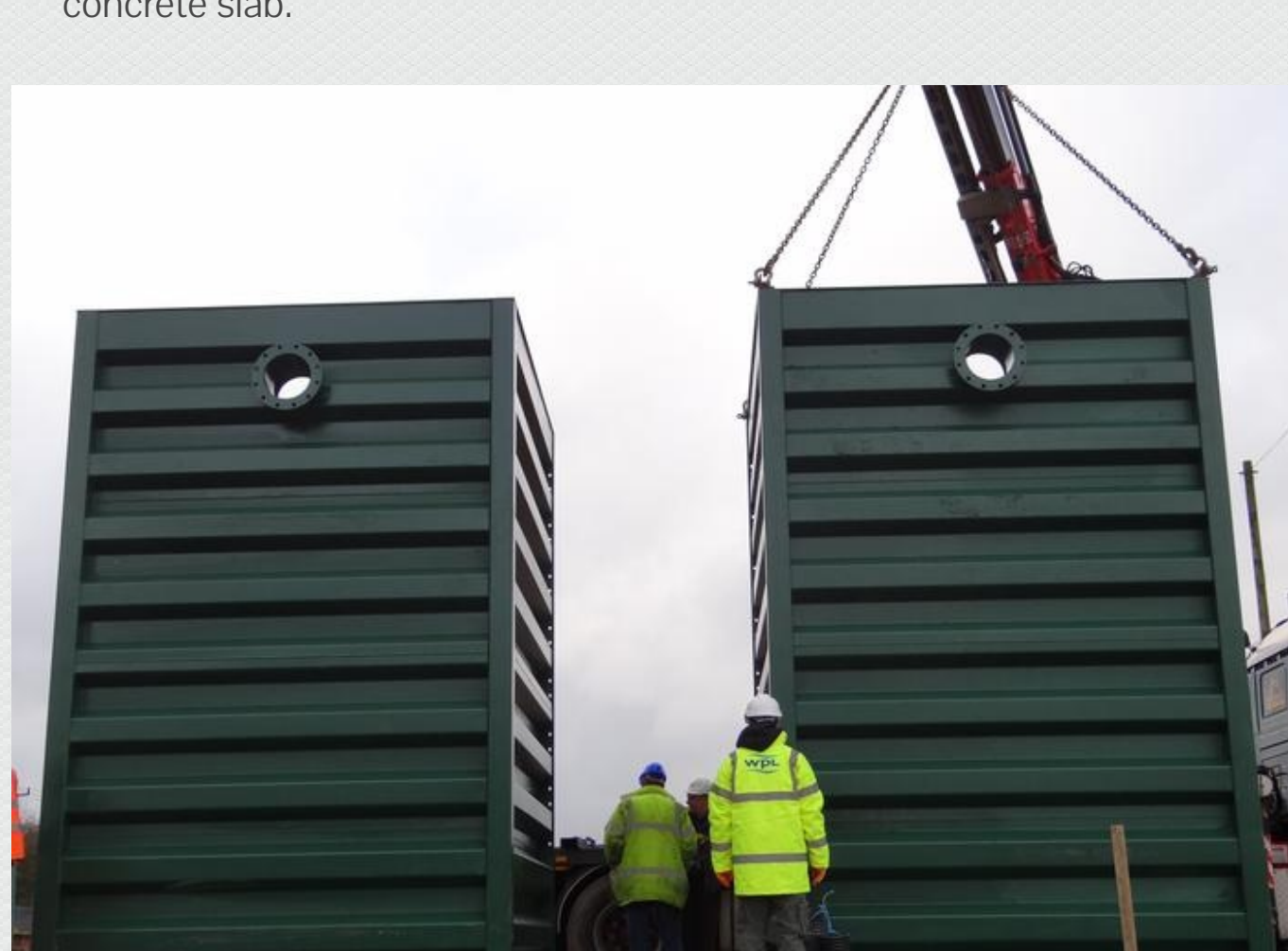
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<http://www.wplinternational.com/case-studies/wpl-provides-their-largest-treatment-plant-for-yorkshire-water/>

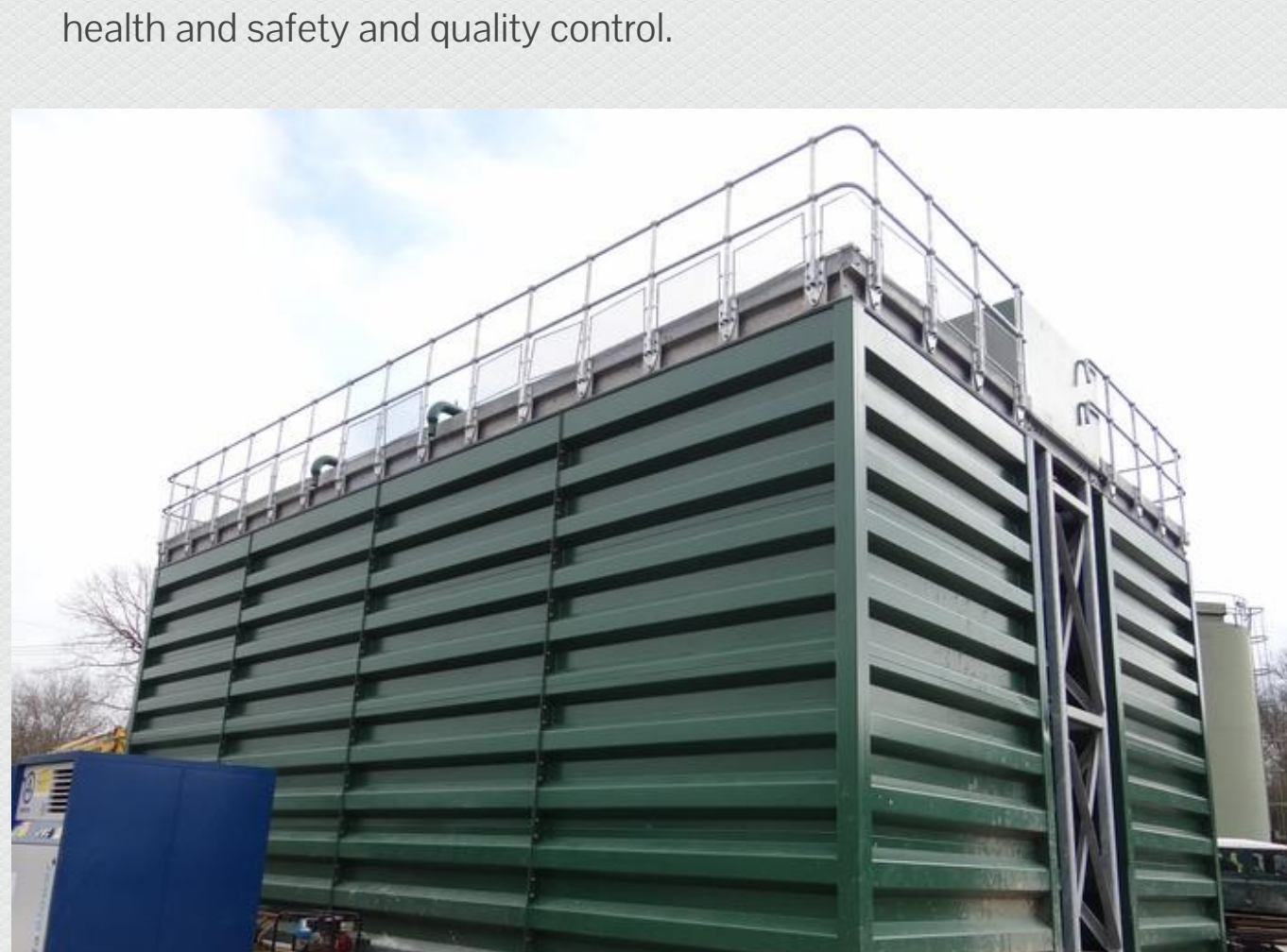
## WPL'S EIGHT STEEL MODULAR N-SAF UNITS



The units had to then be taken apart for transportation to avoid overhead electric cables and fit down narrow country lanes. The tanks when on-site had to be lifted, rotated and placed onto a prepared concrete slab.



This process solution of a factory 'kit,' build meant that less workers were required at Yorkshire Water's site, in turn minimising the risk of health and safety and quality control.



WPL was contracted to design and manufacture a wastewater process solution (N-SAF), which was competitively priced based on Yorkshire Water expectations and asset standards.

The decision on which technology to use was determined by, but not limited to CAPEX, OPEX & access challenges.



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