

Veolia's ZeeWeed* 1500 UF enables beverage company to use bore well water in process

CASE STUDY | Food & Beverage

| Challenge

In order to use bore well water at its facility, a beverage manufacturer located in Southern India needed to treat the source water for high levels of Coliform, E.Coli, and Pseudomonas. This required the plant to install an efficient water treatment solution that could effectively remove these bacteria from the water.

| Solution

Based on the unique technical requirements and general business objectives, Veolia proposed the ZeeWeed 1500 ultrafiltration membranes for producing UF permeate of 30 m³/hr.

The design of the plant included pre-treatment with an existing Ca(OCl)² dosing system for oxidation of iron & manganese, followed first by a pressurized UF and then a post-chlorination process with the existing Ca(OCl)² dosing system for disinfection.

| Results

With Veolia's UF technology, the raw water was successfully treated, as per the standards of the company, with the values of E.Coli, Coliform, and Pseudomonas being reduced to permissible 4 log units. The UF system includes one membrane train with 97% recovery.

To know more how Veolia can help solve your water challenges, contact your local Veolia representative, or visit us at www.veoliawatertechnologies.com.

| Project Summary

End User: Beverage Manufacturer

Location: Southern India

Commissioned: 2015

Application: Raw Water Treatment

Feed water Source: Bore Well Water

Product Quality: E.Coli, Coliform, & Pseudomonas = 4 log

Recovery: 97%

Flow rate: 700 m³/day

Technology: ZeeWeed 1500 UF

Veolia Water Technologies

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