

# Providing Safe Drinking Water to Laguna Municipality: **A Sustainable Solution**

YMT Water Solutions addressed the challenge by implementing an advanced water treatment facility supplying 5,000 m<sup>3</sup>/day of clean water.

The comprehensive solution treated source water, primarily surface water, and delivered it to Laguna Water District.

Prefiltration using screen filters and media filters removed larger particles and impurities.

Microfilters with a filtration capacity of 2 microns ensured thorough removal of contaminants.

Atlantium's UV disinfection system effectively neutralized harmful microorganisms.

Achieved maximum TSS levels of 150, maintaining clarity and purity of the water.

Turbidity levels consistently below 20, occasionally peaking at 100.

Outlet water met Philippines' stringent drinking water standards.

The sustainable solution provided a reliable supply of clean and safe drinking water to Laguna Municipality, exceeding health and safety requirements.



## Screen Filters



## Sand Filters



## Microfilters


## Results:

More than 120,000 households in the laguna area are enjoying safe continuous flow of drinking water.

For more informations contact us @

 +63 968 897 3051

 [office@ymtwater.com.ph](mailto:office@ymtwater.com.ph)

 Km. 78 Maharika Highway, Brgy. San Benito Alaminos, Laguna

 [www.ymtwater.com](http://www.ymtwater.com)



## Case Study

# Drinking Water Treatment Plant Delivering Safe Water To Laguna Municipality In The Philippines

## The Challenge: Ensuring Safe Water for Laguna Municipality in the Philippines

### Background:

In the heart of the Philippines lies Laguna Municipality, a vibrant community facing challenges in ensuring safe and reliable drinking water for its residents. Recognizing the urgency of the situation, YMT Water Solutions stepped in with their expertise in water treatment solutions. Implementing an innovative drinking water treatment plant, YMT revolutionized the water infrastructure in Laguna Municipality, bringing safe

and clean water to its inhabitants. This case study highlights the collaborative efforts, technological advancements, and unwavering commitment that YMT Water Solutions brought to the table, addressing the critical need for access to quality drinking water in the region.

120,000  
Households



### The Challenge

Laguna Municipality in the Philippines faced a formidable challenge in delivering safe drinking water to its vast network of more than 120,000 households. The existing water infrastructure struggled to maintain a continuous flow of water while meeting stringent quality standards. The water supply frequently exceeded the recommended turbidity levels, reaching up to 50 NTU (Nephelometric Turbidity Units), which posed health risks to the residents.