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Laguna Water uses salt to produce disinfectant solution

By [BusinessMirror](#)
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Salt is a very reliable mineral that is commonly used in food flavoring, or preservative as disinfectant or antibacterial agent to prevent food spoilage.

In Laguna Water, the leading water and wastewater services provider in Laguna, it is using salt as the main ingredient in producing a reliable and cost-effective solution for water treatment and disinfection.

Eliminating health and environmental risks, the company now creates its own sodium hypochlorite (chlorine) with MIOX Corp.'s On-Site Sodium Hypochlorite Generator (OSHG).

The on-site generated chlorine is proven to be an effective disinfectant which improves bacterial control, thus, providing better water quality while reducing capital and operation costs.

The new process also ensures the health and safety of employees and as well lessen the company's carbon footprint.

“OSHG technology requires only electricity, water, and table salt [or brine] to create chlorine. It does not produce any by-products, hence, it is very safe and will not produce any health or environmental concerns,” said Laguna Water Technical Operations Head Melissa Alcasid.

Since the production of chlorine is done on-site and only needs salt as raw material, OSHG technology increases the company's reliability and efficiency in terms of water treatment.

Further, it addresses the risk of the employees' exposure to chlorine since transportation and storage of large amounts of the substance would no longer be required.

“Before OSHG, commercially available liquid chlorine was used and being dosed to our water sources manually,” Alcasid said.

“Our operators need to physically go to the deep wells to adjust and monitor the chlorine that is being injected. Now, with OSHG, dosing and monitoring of chlorine is done automatically at the Laguna Well Field, our Centralized Water Distribution System,” Alcasid added.

Chlorination is a water treatment process, wherein chlorine is injected to water to disinfect and kill germs.

This is an important step taken by water service providers to protect public health by ensuring that the water they provide to their customers are free from any disease-causing organisms.

Currently, Laguna Water produces 17,000 liters of chlorine per day using the OSHG.

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