
Water supply safety is the top task

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Overall maintenance but not stopping the water supply

Walking around the factory to check the overall operation of the machinery, Mr. Pham Hong Minh, Deputy Director of SWIC, was relieved to see that all equipment operated stably in the water production process.

Implementing the safe water supply plan, in order to ensure the safe operation of the main pumps at the raw water pumping station and clean water pumping station of the plant, maintaining stable water supply, from October 10 to October 21, SWIC conducted overall maintenance of the water plant. According to Mr. Pham Hong Minh, since its inception (from 12-2015), equipment and machinery at the factory have always been maintained according to schedule to ensure stable and reliable operation. After nearly 7 years of operation, the raw water pumping station in Hoa An and the clean water pumping station at the factory have so far reached the overall maintenance deadline, so the unit conducted an overhaul to ensure the safety of the plant's operation.

Mr. Pham Hong Minh said that in order to prepare for this maintenance, the unit has made detailed plans and organized a team of engineers and workers to join with experts of the pumping company from Germany. Thanks to a very specific plan, in 11 days of maintenance, the plant still ensures a water generation capacity of 300,000m³/day, without interrupting the supply of clean water to people. "At the factory there is always backup equipment to ensure that if there is a problem with the main pump, the backup pump will operate immediately. Therefore, during this maintenance, we carry out backup pump maintenance first, until the main pump is maintained, there is a backup pump operating instead. Therefore, the plant ensures continuous water supply during the maintenance period", Mr. Pham Hong Minh shared.

In order to maintain a stable and safe water generation capacity, right from the day of establishment, SWIC always focuses on investing in advanced and modern technology and closely monitors the maintenance, maintenance and overhaul of all equipment works in the water production line. The company always encourages technical staff to come up with initiatives and technical solutions to streamline production to optimize the production process, improve efficiency, quality and safety of water supply.

In the overhaul of the main pumps of the factory this time, in order to achieve high efficiency, engineers and workers at the factory have launched many initiatives and improvements such as: maintenance mode; support the pump covers to facilitate the inspection, maintenance and repair of pumps. As a result, the person performing the maintenance work is less strenuous, less labor-intensive for the stages and the coating work is convenient and fast.

According to the main pump overhaul plan, under the guidance of foreign experts, specialized units performing maintenance work, a team of engineers and factory workers also participate in learning experience. Through the maintenance, the factory organizes to record images and video clips detailing the main pump overhaul maintenance steps, editing maintenance training materials in the coming time.

Automatic, self-contained operation

In December 2015, Thu Duc 3 Water Plant was officially operated, providing the first clean water flows into the network of Saigon Water Supply Corporation (SAWACO). The plant has contributed to increasing the output of clean water supply to the people of the city. With modern technology from Germany, up to now, the plant operates stably with a designed capacity of 300,000m³/day, reaching 15% of the total water generation capacity of Ho Chi Minh City, contributing to the target of 100% of city households using clean water.

With the motto towards safe - efficient - quality water supply, SWIC constantly invests in training technical staff, modernizing equipment, management methods, technology, and ensuring the environment. Meanwhile, since its inception, Thu Duc 3 Water Plant has been operated fully automated (through the SCADA system) with advanced water treatment technology. Hoa An pumping station of the factory is a project to collect and collect water from Dong Nai River and bring it to the factory equipped with a water monitoring system to monitor river water quality continuously, promptly detecting abnormal fluctuations in river water quality.

Mr. Pham Hong Minh said that since the factory was put into operation, the staff, engineers and factory workers have always mastered the technology, researched and applied new science and technology to constantly improve the water quality of the factory to ensure the standards of SAWACO and Regulation 01 of the Ministry of Health; making the plant a reliable source of clean water, contributing to ensuring safe water supply for city residents.

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