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Construction begins on non-potable water production for OOWV

The groundbreaking ceremony for the first non-potable water plant for the Oldenburgisch-Ostfriesischer Wasserverband (OOWV) took place in Nordenham on 30 June. The plant will use purified wastewater to produce non-potable water for industrial purposes.

Karsten Specht, Managing Director at OOWV, and Angela Kampe, Regional Manager at OOWV, officially launched the construction project together with Carsten Büsing, KRONOS TITAN plant manager, Stephan Siefken, District Administrator of Wesermarsch, Nils Siemen, Mayor of Nordenham, and Karin Logemann, member of the state parliament. Representatives of the planning and plant engineering companies involved – EnviroChemie GmbH, LUDWIG FREYTAG Group and CDM Smith – were also in attendance.

EnviroChemie's modular non-potable water plant uses a multi-barrier approach to treat the cleaned wastewater from the wastewater treatment plant with Envopur ultra-filtration and Envopur reverse osmosis technology, thus delivering better quality non-potable water. The plant comprises eight 40-foot technology modules, a delivery point for chemicals, and auxiliary buildings for offices, communal areas and electrical engineering equipment. The non-potable water produced is free from particles and pathogens, softened and largely desalinated. EnviroChemie provides the treatment plant as a turnkey development.

Up to 1.1 million cubic meters of non-potable water will be produced from purified wastewater every year, making an enormous contribution to protecting groundwater resources. This plant solution is unique in Germany in terms of its performance.

The chemicals company KRONOS TITAN GmbH will use at least 500,000 cubic meters of the treated water in its industrial processes.

The project will serve as a model for other industrial and hydrogen production sites. It demonstrates that, with the right water technology, alternative water sources such as purified wastewater, sea water and surface water can be used to produce non-potable water for industrial purposes.

Completion of the non-potable water plant is planned for autumn 2026.



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