

Public Consultation on Environmental Impact Assessment for the Development of Changi NEWater Factory 3

PUB, Singapore's National Water Agency, is constructing a third NEWater Factory (CNF3) in Changi Water Reclamation Plant (WRP) to replace the ageing Bedok NEWater Factory, which will be decommissioned. Construction works for CNF3 will begin in 2024 and target to complete in 2026.

Over the years, Singapore has developed a robust and diversified supply of water through investments in technology and water infrastructure. To meet the growing demand for water and cope with the impacts of climate change, we continue to augment our water supply with weather-resilient sources, one of which is NEWater.

The CNF3 project includes the installation of Reverse Osmosis (RO) membranes, Ultra-Violet (UV) disinfection reactors, as well as the construction of product water tanks and auxiliary systems. Like the two existing NEWater factories at Changi WRP, CNF3 is located on the rooftop of the plant's Liquid Treatment Modules to optimise space. Upon completion, CNF3 will receive treated used water supplied by Changi WRP and produce up to 50 million gallons per day (mgd) of NEWater.

The Environmental Impact Assessment (EIA) report for the development is ready for public consultation. The purpose of the EIA is to evaluate the potential impact on environmental receptors arising from the development and operations of CNF3.

The EIA concluded that the discharge from CNF3 via Changi WRP's outfall will have no impact to marine environment nor biodiversity. Although the concentration of phosphate in the discharge would affect water quality slightly, the increase in phosphate level is projected to be low and will be quickly diluted and dispersed due to the strong currents in the area surrounding the outfall. Hence, the environmental consultant has recommended that no mitigation measures are required.

The environmental study report is available for public viewing by appointment from 18 Oct 2023 to 14 Nov 2023. PUB will consider all relevant public feedback before seeking final approval from the Government. Please contact Mr Tay Yu Xiang / Ms Li Yingnan at tay_yu_xiang@pub.gov.sg / li_yingnan@pub.gov.sg to arrange for a viewing or to provide feedback.