

# Independent Environmental Checker for Design, Build and Operate San Wai Sewage Treatment Work



**CLIENT :** DRAINAGE SERVICES DEPARTMENT

**LOCATION :** HONG KONG

**DATE:** JANUARY 2017 – OCTOBER 2022

**TAGS:** INDEPENDENT ENVIRONMENTAL CHECKER (IEC) WORK, ENVIRONMENTAL AUDIT

**USE OF TECHNOLOGY:** DEDICATED INTERNET WEBSITE SETUP AND MAINTENANCE

## **Background**

Design, Build and Operate San Wai Sewage Treatment Work (The Project) comprises the design and construction of new sewage treatment facilities to cope with a sewage flow of up to 494,000m<sup>3</sup>/day or 5.718 m<sup>3</sup>/s peak wet weather flow and 200,000 m<sup>3</sup>/day or 2.315 m<sup>3</sup>/s average dry weather flow for the San Wai Sewage Treatment Work (SWSTW) – Phase 1. At the same time, The Project also includes the connection works to intercept the flow from the existing incoming rising mains to the proposed SWSTW Phase 1 works and the connection works at the existing junction chamber underneath Kong Shum Western Highways for the proposed outlet pipe from the SWSTW Phase 1 works.

## **Our Roles**

The project is a Schedule 2 Designated Project under the item of sewage treatment works having an installed capacity of more than 15,000m<sup>3</sup> per day. An Environmental Permit (EP) was issued in October 2013 to the Drainage Services Department (DSD) to construct and operate the project. Under the condition of the EP, the DSD should employ an Independent Environmental Checker (IEC) and an Environmental Team (ET). ANewR has been commissioned as the IEC of the construction phase of the project, responsible for the review and verification of relevant submissions as required in the EP. ANewR also reviews and audits the overall Environmental Monitoring and Auditing (EM&A) performance by the ET and the effectiveness of all environmental mitigation measures implemented by the Contractor. ANewR delivers IEC duties in full compliance with relevant requirements as stated in EP conditions, approved EIA Report and EM&A Manual.

## **Key Values to Client**

ANewR provides professional advice on environmental issues in relation to the construction work in cases of non-compliance to identify any improvement needs on the environmental performance of the Project so as to prevent any adverse impacts imposed by the construction activities. In facilitating electronic reporting of EM&A information as required by the EP, ANewR has established a web-based platform to publish all relevant documents and environmental monitoring data. It is a one-stop hub that not only disseminates all relevant information such as the EP and Baseline Monitoring Report for easy reference, but also provides environmental data searchable by date and location for easy data review. The platform is available at <http://project.aneur.com/SanwaiSTW/pb.aspx>.



QR code of the SWSTW platform