

**HKHA Term Engineering Consultancy
Services 2016-2018
Proposed Public Rental Housing Development
near Lai King Hill Road, Kwai Chung**

ANewR
Environmental & I.T. Consultants



CLIENT : HONG KONG HOUSING
AUTHORITY (HKHA) VIA MANNINGS
(ASIA) CONSULTANTS LIMITED

LOCATION : HONG KONG

DATE: SEPTEMBER 2015 –
JUNE 2018

TAGS: HOUSING DEVELOPMENT,
HONG KONG PLANNING STANDARDS
& GUIDELINES

USE OF TECHNOLOGY: ROAD
TRAFFIC NOISE MODELLING, NOISE
MEASUREMENTS

Background

The 2013 Policy Address announced various measures to increase the land supply for housing in the short, medium and long terms. Aligned with the above initiative, an abandoned ex-school building and a basketball court at Lai King Hill Road were identified for potential housing development by the Housing Department (HD). The project is a proposed public rental housing development which comprises 1-storey Neighbourhood Elderly Centre (NEC) on the first floor level, 30-storey residential block with a total of 540 flats, a car parking area and a basketball court. The NEC will be handed over to and operated by Social Welfare Department (SWD) upon the completion of construction.

Our Roles

To determine the environmental acceptability of the proposed development with reference to the Hong Kong Planning Standards & Guidelines (HKPSG), ANewR prepared the Environmental Assessment Study Report to assess the potential noise impacts associated with road traffic noise and fixed plant noise, as well as to review the air quality impact from the nearby road sections in the vicinity of the proposed development.

Key Values to Client

ANewR provided professional advice in recommending viable solutions in dealing with the site-specific constraints and opportunities. With respect to the enormous fixed plant noise sources at Kwai Chung Container Terminals, ANewR closely liaised with the client and the government authorities in seeking consensus on the assessment methodology and sound assumptions for the activity, utilization rate and number of fixed noise sources. In dealing with the heavy traffic noise from Kwai Chung Road and Tsing Kwai Highway, we duly explored practicable mitigation measures such as the podium structure, building setbacks, building orientation / disposition, canopy, architectural fins and epoch-making enhanced acoustic balconies to fulfil the compliance requirement. Our proficient experience helped the client to complete their task in an effective manner.