

Short Term Air Quality Monitoring at Ocean Shores for Swire Properties

Hong Kong

**Job Title:**

Short Term Air Quality Monitoring at Ocean Shores

Client:

Swire Properties Management Limited

Contract Period:

2000

Service to Client:

Air Quality Monitoring

There has been a growing concern in the air quality of Hong Kong after the release of Air Pollution Index (API) by Hong Kong Environmental Protection Department (HKEPD) since 1 July 1999. People become more concerned about the air quality of living environment.

In response to the concerns from the general public, Maunsell was appointed by the Swire properties to investigate the ambient air quality of the area near Ocean Bay, where a large residential development is under construction.

Ocean Shores, with a site of over 500,000 sq. ft. located at Tseung Kwan O, consists of 15 apartment towers in three phases. Most of the towers are near the coastline, with a number of 48-storey residential buildings. There were construction works in the Ocean Shores, and a nearby Mass Transit Railway (MTR) Station was also under construction.

In order to have a better understanding of the air quality in Ocean Shores, the following parameters were measured under this study:

- Sulphur Dioxide (SO₂)
- Nitric Oxide (NO_x), Nitrogen Dioxide (NO₂) and Nitrogen Monoxide (NO)
- Carbon Monoxide (CO)
- Ozone (O₃)
- Respirable Suspended Particulates (RSP)

All the above parameters are also closely monitored by HKEPD at 14 locations in Hong Kong

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