

## **NOTE FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE**

### **Supplementary information on 13NM - Conversion of Centre Street Market in Sai Ying Pun – phase 2**

#### **INTRODUCTION**

At the PWSC meeting held on 16 February 2000, Members considered PWSC(1999-2000)94 on **13NM** – Conversion of Centre Street Market in Sai Ying Pun – phase 2. The Administration undertook to provide information on the air quality inside the Centre Street Market (CSM) before and after the installation of the new air-conditioning system.

#### **THE ADMINISTRATION'S RESPONSE**

2. We have not kept any records of the indoor air quality of the CSM in the past. In response to Members' enquiries, we carried out a measurement of indoor air quality on 19 February 2000. The results are tabulated at the Enclosure.

3. At present, CSM is only equipped with a Mechanical Economic Air Treatment System, which is a ventilation system that helps enhance the air circulation inside the market. The recent measurement indicates that the number of airborne bacteria and respirable suspended particulate is quite close to, or even higher than, the benchmark<sup>1</sup> in some parts of the market. The number of airborne

/bacteria .....

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<sup>1</sup> The Government's Indoor Air Quality Management Group recommended a set of 3-level indoor air quality objectives for office buildings and public places in Hong Kong in its consultation paper "Managing Indoor Air Quality" published in November 1999. The benchmark that we use in CSM is Level 2 of the Indoor Air Quality Objectives, which represents the indoor air quality that provides protection to the public at large, including the very young and the aged. The standards for various parameters for Level 2 of the Indoor Air Quality Objectives are given in the Enclosure.

bacteria is expected to increase during the summer months because of the higher temperature and humidity. After installing the air-conditioning system in the market, the environment will become cooler and dryer, and the indoor air quality will be substantially improved. We expect it to be able to comply with Level 2 of the Indoor Air Quality Objectives.

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Environment and Food Bureau  
March 2000

(PWSC0236/WIN9)

**Record of the indoor air quality at the Centre Street Market measured on  
19 February 2000**

<b>Sample area</b>	<b>Carbon dioxide (ppm)</b>	<b>Respirable suspended particulate (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Airborne bacteria (<math>\text{cfu}/\text{m}^3</math>)</b>	<b>Radon (<math>\text{Bq}/\text{m}^3</math>)</b>
<i>Benchmark</i> (Level 2 of the Indoor Air Quality Objectives)	<1000	<180	<1000	<200
G/F Mini Stall east	648	160	981	6
G/F Mini Stall south	650	143	607	6
G/F Mini Stall west	680	212	1454	6
G/F Mini Stall north	652	163	593	6
G/F Mini Stall central	659	146	621	6
1/F Cooked Food Centre east	645	185	600	13
1/F Cooked Food Centre south	659	197	932	13
1/F Cooked Food Centre north	617	135	99	13
Outdoor	608	201	1500	8