

**AIR QUALITY OBJECTIVES (AQO) REVIEW WORKING GROUP  
AIR SCIENCE AND HEALTH SUB-GROUP**

**Digest of the 4<sup>th</sup> Meeting  
held on 20 Feb 2017 at 4:30 p.m.  
in Room 1523, East Wing, Central Government Offices, Tamar**

**Present:**

Ms. Christine LOH

Mrs. Alice CHEUNG

Dr. Nicky LAM

Prof. Alexis LAU

Mr. Alfred LEE

Ir LO Pak Cheong

Mr. LOONG Tsz Wai

Dr. Eunice MAK

Mr. MOK Wai-chuen

Mr. Terence TSANG

Ms. Irene PANG

Mr. Raymond LEE

Mr. Patrick WONG

Dr. Eddy NG

Under Secretary for the Environment  
(**Chairperson**), Environment Bureau (ENB)  
Deputy Director of Environmental Protection  
(3) (**Vice-chairperson**), Environmental  
Protection Department (EPD)

Assistant Director of Environmental  
Protection (Air Policy), EPD  
Principal Environmental Protection Officer  
(Air Science), EPD  
Chief Assistant Secretary (Works) 3, DEVB  
Chief Engineer / KLN 2 (KLN), CEDD  
Senior Town Planner (Strategic Planning 1)  
Principal Medical & Health Officer (Non-  
Communicable Disease), DoH

**Absent with Apologies:**

Prof. Peter BRIMBLECOMBE

Dr. Roland LEUNG

Dr. MAN Chi Sum

Dr. Loletta SO

Prof. WANG Tao

Prof. TIAN Lin Wei

Dr. NING Zhi

Dr. Steve YIM

**In Attendance:**

Dr. Kenneth LEUNG

Ms. Josephine HO

Mr. Roy TSANG

Mr. Simon LAM

Senior Environmental Protection Officer (Air  
Science) 4, EPD  
Acting Senior Environmental Protection  
Officer (Air Policy) 1, EPD  
Environmental Protection Officer (Air  
Science) 42, EPD  
Environmental Protection Officer (Air Policy)

Dr. Jackie NG	11, EPD Assistant Environmental Protection Officer (Air Policy) 12, EPD
Ms. Queenie CHAU	Assistant Environmental Protection Officer (Air Policy) 14, EPD
Mr. Freeman CHEUNG	Consultant's representative, AECOM Asia Co. Ltd.
Mr. Ping KONG	Consultant's representative, AECOM Asia Co. Ltd.
Prof. Jimmy FUNG	Consultant's representative, HKUST
Dr. Jimmy CHAN	Consultant's representative, HKUST

### **Opening Remarks**

The Chairperson welcomed Members to the 4<sup>th</sup> meeting of the Air Science and Health (ASH) Sub-group.

### **Agenda Item 1 –Declaration of Interests**

1. Dr. MAK Hoi-Cheung, Eunice declared that while being the Director in Urban Planning of AECOM (the Consultant appointed to undertake the AQO Review study), she had no potential interest or involvement in AQO review Study and the tendering process.
2. With no objection from Members, the Chairperson confirmed that Dr. MAK would stay in the ASH Sub-group.

### **Agenda Item 2 – Confirmation of Digest of the Third Meeting**

3. The draft digest of the 3rd meeting held on 9 Dec 2016 was confirmed without amendment.

### **Agenda Item 3 – The progress and discussion of (i) Emission Reduction Estimation & Air Quality Modelling and (ii) Health & Economic Impact Assessment Task Forces (AS&H Paper 1/2017)**

4. As agreed at the 3<sup>rd</sup> ASH Sub-group meeting, two Task Forces, namely “Emission Reduction Estimation & Air Quality Modelling” and “Health & Economic Impact Assessment”, were formed to deliberate the relevant technical details. Each Task Force had held two meetings since Dec 2016.
5. The Administration reported that the Emission Reduction Estimation & Air Quality Modelling Task Force had agreed on the following:
  - the proposed measures were grouped as “short-term”, “medium-term” and “long-term” according to their practicability and the emission reduction potential of these measures would be evaluated;

- the secondary impacts or knock-on effects of the improvement measures would be assessed to provide a complete assessment; and
- qualitative analysis should be conducted for measures of which the emission reduction potentials could not be quantified.

6. The Administration invited Prof. Jimmy FUNG (the Consultant's representative) to present the proposed approach in estimating the marine emission reduction potential of the proposed measures as well as future emission projections in 2020 & 2025 in Hong Kong, PRD region and outside PRD region.

7. Members endorsed Consultants' proposed approach in estimating the marine emission reduction and made the following recommendations:

- (a) to verify the used activity data with the radar data from Marine Department; and
- (b) to enhance the current data inventory with a view to supporting the assessment in future AQO reviews.

8. The Administration advised the Consultant to review the trend of pollutants emission outside PRD region from the historical emission inventory. The assumptions in projecting the emission outside PRD region in 2025 would be discussed in next meeting.

9. The Administration reported that the Health & Economic Impact Assessment (HEIA) Task Force had reached in-principle agreement on the methodology and the concerned air pollutants to be included in the HEIA. The Consultant would refine the methodology paper according to the comments received and seek Members' endorsement by circulation when ready.

#### **Agenda Item 4 – Any other business**

10. A Member concerned if VOC reduction measures would be discussed under the current AQO review. The Administration responded that Consultants would work out the proposal on controlling other emission sources (e.g. civil aviation, VOCs, etc.). The proposal would be reported at the coming Working Group meeting.

#### **Agenda Item 5 – Date of the next meeting**

11. The next meeting would be held on 21 April 2017 (Friday). The meeting was adjourned at 5:55 p.m.

*[post-meeting notes: the 5<sup>th</sup> A&SH Sub-group meeting has been re-scheduled to June 2017]*