



Announcement

Seminar on

The Development of Environmental and Emission Standards of VOCs 15th September 2006 Miracle Grand Convention Hotel, Bangkok

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Background

Thailand is facing serious air pollution problem, especially in urban, due to rapid industrialization, urbanization and motorization. The government has set ambient air pollution air standard and implemented countermeasures for Carbon Monoxide, Nitrogen Dioxide, Sulfur Dioxide, Sulfur Dioxide, SPM, PM-10, Ozone and Lead. As a result, the situation has improved to a certain level for Nitrogen Dioxide, Sulfur Dioxide and others. Ozone and SPM still exceed the standard value at many of the monitoring locations.

VOCs emitted from the industry and vehicles are considered as one of the sources for suspended particulate matters (secondary formation), which exceed the standard and requires immediate countermeasure and also triggers photo-oxidant. Furthermore VOCs are hazardous air pollutions, which cause various acute health problem as well as carcinogenic risk. Under this situation, the Thai government considers VOCs as an important issue in ambient environmental matters. National Environmental board has instructed PCD to implement countermeasure for VOCs.

Map Ta Put incident in 1997 was a well know environmental problem related to VOCs. In this incident, tens of pupils in a school nearby the Map Ta Put industrial estate were hospitalized due to serious air pollution. Source of the pollution was considered as VOCs. The school was closed and moved to another location. Source pollutant and source factory has not been identified yet. Even now there are various reports and claims regarding occurrence of fruit like smell (most likely aromatic VOCs) around the estate. According to complained record of Pollution Control Department (PCD), 40% of environmental complains are on odor and smell, and most of them are considered to be related to VOCs.

As there is no ambient environmental standard set for VOCs, a systematic monitoring of VOCs in ambient has not been implemented. PCD have implemented limited monitoring of VOCs. PCD started periodical monitoring at five stations around Bangkok with special attention on mobile sources. Though, there is few data that systematically assures its quality. Concentrations of certain VOCs are estimated to be at levels at which health risk cannot be ignored. Therefore it is urgent matter for the government to confirm the necessity of the countermeasures.

Objective:

The seminar aims to present scope of work of project on development of environmental and emission standard of VOCs.

Number of Participants

About 100 participants from relevant government agencies, stakeholders, and academic institutes will be invited to attend the seminar.

Seminar Language

Seminar will be conducted in English.

Organizers:

- Pollution Control Department of Thailand, Ministry of Natural Resources and Environment
- Japan International Cooperation Agency

**The Seminar on Development of Environmental and Emission Standard
of VOCs**

15 September 2006

**Miracle Grand Convention Hotel; Magic 2 room (2nd floor)
99 Vibhavadi-Rangsit Rd. Don Muang, Bangkok 10210**

08.00-09.00	Registration
09.00-09.30	Opening Remarks By Dr. Monthip Sriratana Tabucanon Director General Pollution Control Department Mr. Toyomu Nakano 1 st Secretary of Embassy of Japan in Thailand Mr. Yokio Kamesaka JICA Deputy Resident Representative
09.30-10.00	Policy framework of VOCs management in Thailand By Dr. Supat Wangwongwatana Deputy Director General Pollution Control Department
10.00-10.30	Countermeasures on chemical substances in Japan by air pollution control law By Mr. Masanori Kida Deputy Director of Air Environmental Division, Ministry of Environment, Japan
10.30-11.00	-----Coffee break-----
11.00-11.30	Determination Ambient VOCs Using Passive Canister- Preconcentrator-GC/MS By Ms. Wanna Laowagul (ERTC)
11.30-12.00	Systematic evaluation tool for QA/QC criteria of VOCs analysis By Mr. Sirapong Sooktavee (ERTC)
12.00-13.30	-----Lunch-----
13.30-14.00	Development of VOCs Monitoring Plan By Ms. Waroonphan Jaruphan (PCD)
14.00-14.20	Comparison of Ambient VOCs Sampling Techniques By Ms. Jarinporn Tippamongkol (PCD)

- 14.20-14.50 Establishment of VOCs Emission Inventory in Thailand:
A Report on Methods and Early Results
By Dr. Sarawut Thepanondh (PCD)
- 14.50-15.10 -----Coffee break-----
- 15.10-16.00 Health risk assessment of VOCs in air
- Toxicity assessment of VOCs species
By Mr. Akira NAKAMURA
- Exposure assessment and air dispersion modeling
By Mr. Makoto TAKAHASHI
- 16.00-16.30 Discussion

Please book for an invitation:

Contact person: Mr.Chaksuwit Watcharapibul,
Air Quality and Noise Management Bureau, Pollution Control Department,
92 Phahonyothin Rd., Samsennai, Phayathai, Bangkok 10400 Thailand.
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E-mail: jicavoc@pcd.go.th

Expression of interest should be sent to PCD by Friday 1 September 2006.

Expression of Interest

**Seminar
on
The Development of Environmental and Emission Standards of VOCs**

Friday, 15th September 2006

**Miracle Grand Convention Hotel, Magic 2 room (2nd floor)
99 Vibhavadi-Rangsit Rd. Don Muang, Bangkok 10210**

Reservation (request for invitation)
Because of limitation of space this reservation is needed

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Name	
Title	
Organization/Company	
Address	
Phone	
Fax	
E-mail	

Please send this form to fax: 0-2298-2392 or e-mail: jicavoc@pcd.go.th.

Mr.Chaksuwit Watcharapibul.

*Air Quality and Noise Management Bureau Pollution Control Department Tel: 0-2298-2324 **by Friday
1st September 2006.***