



Ministry of Foreign Affairs
Singapore



Asia - Pacific Centre for Environmental Law

URBAN AND INDUSTRIAL ENVIRONMENTAL MANAGEMENT SEMINAR-CUM FIELD TRIPS

**Peninsula Hotel,
Lotus Room, Level 5**

Singapore

25 – 29 November 2002

Sponsored by

SINGAPORE MINISTRY OF FOREIGN AFFAIRS

Under the auspices of the

Singapore Cooperation Programme

Conducted by

ASIA-PACIFIC CENTRE FOR ENVIRONMENTAL LAW (APCEL)

PROGRAMME AGENDA

Prof Koh Kheng Lian: Seminar Director
Director, Asia-Pacific Centre for Environmental Law
Email: [lawkohkl@nus.edu.g](mailto:lawkohkl@nus.edu.sg)

**The programme is accurate at the time of printing, but APCEL reserves the right to amend
the programme as it deems fit**

Day 1, Monday, 25 November 2002

0815 hrs – 0845 hrs

Registration

0845 hrs – 0900 hrs

Departure for Ministry of Foreign Affairs (MFA)

0915 hrs – 1015 hrs

Opening Ceremony - MFA

Tanglin
Singapore 248163

Welcome Address by MFA's representative

Video Presentation on the Singapore Cooperation Programme

1015 hrs – 1030 hrs

Tea Break

1030 hrs – 1045 hrs

Departure for Peninsula Hotel

Lotus Room
Level 5
Peninsula Hotel
5 Coleman Street
Singapore 179805

1045 hrs - 1100 hrs

Arrival at Peninsula Hotel

1100 hrs – 1230 hrs

Session 1: Some Critical Issues in Urban and Industrial Environmental Management

Introductory Address: Prof KOH Kheng Lian

Current Urban and Industrial Environmental Issues

Resource Persons: Dr CHIA Lin Sien

Assoc Prof LYE Lin Heng

Prof KOH Kheng Lian

Participants' Presentation on Critical Issues of Industrial Environmental Management

Chairperson : Prof KOH Kheng Lian

1230 hrs – 1330 hrs

Lunch

1330 hrs – 1500 hrs

Session 2: Environmental Impact Assessment

- (a) The Potential for Strategic Environmental Assessment in Asia
- (b) The Effectiveness of EIA in Asia

Resource Person: Dr M A AZIZ

Chairperson: Prof KOH Kheng Lian

1500 hrs – 1515 hrs

Tea Break

1515 hrs – 1615 hrs

Session 3: Environmental Governance

Environmental Governance and Institutions in the Countries of Southeast Asia: Problems and Challenges

Environmental Institutional/Organisational Framework in Singapore

Issues in Environmental Governance: Subregional and Global Level

* Participants' Report on Environmental Institutional Frameworks: An Evaluation

Resource Persons: Assoc Prof LYE Lin Heng

Assoc Prof Alan TAN Khee Jin

Prof KOH Kheng Lian

Chairperson: Prof KOH Kheng Lian

1615hrs – 1730 hrs

Session 4: Land-Use Planning

Environmental Agenda in Land-Use Planning

Resource Person: Dr MALONE-LEE Lai Choo

Chairperson: Prof KOH Kheng Lian

Day 2, Tuesday, 26 November 2002

0900 hrs – 1030 hrs

Session 5: Waste Management

Domestic/Commercial Wastes

- Refuse Collection System in Singapore
- Principles of Refuse Charging
- Licensing and Control of Refuse Collectors
- Disposal of Refuse – Incineration vs Landfilling

Resource Person: Assoc Prof LYE Lin Heng

Chairperson: Prof KOH Kheng Lian

1030 hrs – 1100 hrs

Tea Break

1100 hrs – 1145 hrs

Session 6: Hazardous Waste Management (including Bio-Hazardous Waste)

Mr LEONG Kwai Yin
Senior Engineer
Pollution Control Department
National Environment Agency

Chairperson: Prof KOH Kheng Lian

1145 hrs – 1230 hrs

Session 7: Basel Convention on the Transboundary Movement of Toxic Wastes

Resource Person: Assoc Prof R C BECKMAN

Chairperson: Prof KOH Kheng Lian

1230 hrs – 1330 hrs

Lunch

1330 hrs – 1400 hrs

Departure for Ministry of Environment (ENV)

1400 hrs – 1500 hrs

Briefing on the Functions of ENV and ENV Departments

6th Storey Training Room 2
ENV Building

Ms Dionne KHO
Corporate Communication Department
Corporate Communications Executive
National Environment Agency

1500 hrs – 1515 hrs	Tea Break
1515 hrs – 1545 hrs	Video on Cleaning Up of Singapore River
	ENV
1545 hrs – 1615 hrs	Departure for Singapore River
1615 hrs – 1730 hrs	Boat Trip on Singapore River

Day 3, Wednesday, 27 November 2002

0900 hrs – 1000 hrs	Session 8: Air Pollution Management – The Singapore Experience
	(a) Control of Air Pollution from Industrial Sources
	(b) Control of Air Pollution from Mobile Sources
	Resource Person: Assoc Prof LYE Lin Heng
	Chairperson: Prof KOH Kheng Lian
1000 hrs – 1015 hrs	Tea Break
1030 hrs – 1145 hrs	Private/Public Partnership in Infrastructure Development
	Guest Speaker: Mr Edwin KHIEW
1145 hrs – 1215 hrs	Session 9: Transport-Based Air Pollution Management
	(a) Singapore's Experience – Traffic Planning
	(b) Experience of other Countries in Asia (Participants' Inputs)
	Participants' Presentation on Air Pollution Management
	Resource Person: Assoc Prof LYE Lin Heng
	Chairperson: Prof KOH Kheng Lian
1215 hrs – 1300 hrs	Lunch
1300 hrs – 1400 hrs	Departure for Changi General Hospital

1400 hrs – 1515 hrs

Changi General Hospital

Introduction to CGH's Green Productivity Efforts

* Changi General Hospital is ISO 1400 certified and won the Singapore Environmental Achievement Award in 1999

Mr TK UDAIRAM
CEO
Changi General Hospital

1515 hrs – 1600 hrs

Departure for Peninsula Hotel

1600 hrs – 1730 hrs

Waste Minimisation and Recycling Programme in Singapore

Resource Person: Ms Vaneeta BHOJWANI
Executive Engineer
Resource Conservation Department
National Environment Agency

Chairperson: Prof KOH Kheng Lian

Day 4, Thursday, 28 November 2002

0830 hrs – 0900 hrs

Participants' Presentations

Facilitator: Prof KOH Kheng Lian

0900 hrs – 0945 hrs

Session 10: Wastewater Management in South-East Asia

“An Overview”

Resource Person: Dr CHIA Lin Sien

Chairperson: Prof KOH Kheng Lian

0945 hrs – 1045 hrs

Urban Water Management: Singapore's Experience

Resource Person: Dr A APPAN

Chairperson: Prof KOH Kheng Lian

1045 hrs – 1100 hrs

Tea Break

1100 hrs – 1145 hrs	<p>Interactive Session: Making Use of Wastewater and Sludge</p> <p>Resource Person: Dr CHIA Lin Sien</p> <p>Chairperson: Prof KOH Kheng Lian</p>
1145 hrs – 1230 hrs	<p>Participants' Presentation on Wastewater Management/ Management of Freshwater Resources</p> <p>Resource Person: Dr CHIA Lin Sien</p> <p>Chairperson: Prof KOH Kheng Lian</p>
1230 hrs – 1330 hrs	Lunch
1330 hrs – 1400 hrs	Departure for Ulu Pandan Water Reclamation Plant
1400 hrs – 1530 hrs	<p>Ulu Pandan Water Reclamation Plant</p> <p>(a) Introduction of Jurong Water Reclamation Plant</p> <p>(b) Video/Slide Presentations showing Wastewater Treatment</p> <p>(c) Questions and Answer Session</p> <p>(d) Refreshments</p> <p>(e) Plant Tour</p> <p>Mr OOI Kian Eng Senior Manager Ulu Pandan Water Reclamation Plant Public Utilities Board</p>
1530 hrs – 1600 hrs	Departure for Jurong Industrial Water Works
1600 hrs – 1730 hrs	<p>Jurong Industrial Water Works</p> <p>(a) Brief on Plant Operation</p> <p>(b) Function as Industrial Water Supply</p> <p>(c) Projection for Future</p> <p>(d) Video/Slide Presentations showing Wastewater Treatment</p> <p>(e) Site Visit</p>

(f) Question and Answer Session

(g) Refreshments

Mr Mohd Jamal Bin NASIR
Assistant Manger Operations
Jurong Industrial Water Works
Public Utilities Board

Day 5, Friday, 29 November 2002

0900 hrs – 1030 hrs

Session 11: Compliance and Enforcement

Resource Person: Assoc Prof Victor RAMRAJ

Chairperson: Prof KOH Kheng Lian

1030 hrs – 1100 hrs

Tea Break

1100 hrs – 1130 hrs

Session 12: Interactive Session: Lessons Learned and Future Challenges

Participants' Presentation on Views from Workshop

Panel of Resource Persons

Chairperson: Prof KOH Kheng Lian

1130 hrs – 1200 hrs

Closing Ceremony

Closing Address: MFA

Closing Remarks: APCEL

Presentation of Certificates

1200 hrs – 1300 hrs

Lunch

~End of Seminar~

Koh Kheng Lian
Director, MFA/APCEL Seminar on Urban and Industrial Environmental Management

20 November 2002

* Participants who have written reports on the various topics suggested contained in memo dated 29 October 2002, are required to make a 5 min presentation.