



Hong Kong Waste Management Association

P.O. Box 28705
Gloucester Road Post Office
Hong Kong

Web Site: www.hongkongwma.org.hk

Message from the Editor:

This Newsletter requires your participation. We would like to hear your experience in implementing good waste management practices in Hong Kong or overseas. If you have an interesting story to tell, please write to me at pk_fung@chevalier.com

Technical Seminar on Pyrolysis / Gasification As a Route to Waste Reduction and Income Generation Through Electricity Generation and the Kyoto Protocol, 7 July 2005

On 7 July 2005, a technical seminar on Pyrolysis / Gasification As a Route to Waste Reduction and Income Generation Through Electricity Generation and the Kyoto Protocol jointly organized by Hong Kong Waste Management Association (HKWMA) and The Hong Kong Institution of Engineers (HKIE) was held at the HKIE headquarter.

The speakers, Dr. Robert Eden of Organics Group plc presented the technology involving the pyrolysis and gasification of wastes in a process developed by Compact Power. The gasification process combines the thermo-chemical processes of pyrolysis, gasification and high-temperature thermal oxidation. It converts 75% to 80% of the energy value of the waste into heat, which has a wide range of possible applications, such as the use of heat in power generation with a boiler / steam turbine combination.

HKWMA Presented Our View on Bills Committee on Waste Disposal (Amendment) Bill 2005 to LegCo, 26 July 2005

The Waste (Amendment) Bill 2005 was introduced to the Legislative Council on 18 May 2005. The Bill sought to:

- Extend the application of the Waste Disposal Ordinance to clinical waste to enable regulatory control to be introduced over the collection, transportation and disposal of clinical waste;
- Strengthen the control of the disposal of imported waste; and
- Give effect to the international ban on the export of hazardous waste from some of developed countries (the Basel Ban).

HKWMA has submitted our comments to the Bill Committee and Mr. Alexi Bhanja attended the consultation meeting on 26 July 2005 to present the Association's comments on the Bill. Details of the Bill and related information can be found in: <http://www.legco.gov.hk/yr04-05/english/bc/bc63/general/bc63.htm>

And our submitted comments can be found in: <http://www.legco.gov.hk/yr04-05/english/bc/bc63/papers/bc630726cb2-2372-6e.pdf>

Technical Seminar On Development of an EcoPark in Tuen Mun Area 38, 15 November 2005

On 15 November 2005, Mr. Alexi Bhanja, the Chairperson, presented a technical seminar on Development of an EcoPark in Tuen Mun Area 38 jointly organized by HKWMA and Centre for Environmental Technology and Management of The Hong Kong Polytechnic University (PolyU) at the PolyU.

The EcoPark in Tuen Mun Area 38 first appeared in Mr Tung's Policy Address in 2005 and was also re-affirmed in Mr Tsang's 2005-06 Policy Address. EcoPark is to be commissioned in late-2006 and has been the subject of much recent speculation and discussion.

The primary purpose of EcoPark is to provide long-term land at an affordable cost and will be for the exclusive use of the recycling trade and environmental-related industries. Through achieving its primary purpose, EcoPark also acts as a mechanism for Government to achieve policy objectives in relation to waste recycling and reuse, and will be a key tool in the roadmap for future waste management.

The development of EcoPark, having first been examined in a preliminary study completed in 2002, is now in progress. The purpose of this seminar is to update members on the progress of the EcoPark project, in particular the provision of infrastructure under the Works Contract and the services to be provided by the Operator to be engaged under a separate Management Contract.

Technical Visit To The Co-Combustion Pilot Plant At Tap Shek Kok, Tuen Mun, 23 November 2005 – By Ms. Dora Mak

On 23 November 2005, HKWMA organized a technical visit to the co-combustion pilot plant at Tap Shek Kok, Tuen Mun. A total of 20 members joined the visit.

This pilot project was developed by Green Island International (BVI) Ltd (GII) with the collaboration of The Hong Kong University of Science and Technology (HKUST), and funded by Innovation and Technology Fund under the University-Industry Collaboration Program. The purpose of the project is to develop a technology of an integrated management facility and collect data for further evaluation of the technical feasibility of the Co-Combustion process.



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The co-combustion pilot plant integrated thermal treatment of waste with a material recovery and recycling facility (MRRF), while co-combustion is a technology which integrated thermal treatment of municipal solid waste (MSW) with cement manufacture. Recyclables in the input waste such as metal, plastics and batteries are sorted in the front-end to ensure that waste with recycling value would be diverted before final treatment by co-combustion.

The co-combustion pilot plant has operated for a cumulative duration of 16 weeks maximum. The daily input of MSW was 26 tons/day and its operation was ceased in late December 2005. The pilot project has demonstrated satisfactory emissions performance; monitoring results showed that dioxins and typical emissions during its operations were well below the regulated limit.



A group photo taken in front of the co-combustion pilot plant



Mr. Don Johnston (on the right) presented the co-combustion pilot project

During the visit, Mr. Don Johnston, the Executive Director of GII delivered a briefing about the technology, treatment process, emissions performance and benefits of the pilot project, and followed by a site visit to the MRFF and co-combustion pilot plant.

Members were delighted to have the opportunity to visit the co-combustion pilot plant and interested in knowing the valuable experiences gained by GII from this project. The visit was ended with interactive questions and answers session.

We would like to express our gratitude to GII for their kind hospitality, as well as their continuous endeavor in exploring new waste management technology for solving the waste problem in Hong Kong.

Photographic and Clean Energy Innovative Design Competitions, 26 November 2005

On 26 November 2005, Our Past Chairman Mr. C.F. Lam represented HKWMA as a judge in the Photographic and Clean Energy Innovative Design Competitions jointly organized by Green Council and Outdoor Environmental Education Center of PolyU. The aim of the event was to enhance the knowledge of primary and secondary school students on renewable energy. Over dozens of models and photographs on clean energy were presented and vetted.



Mr. C.F. Lam (on the right) represented HKWMA as a judge in the Photographic and Clean Energy Innovative Design Competitions



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Seminar on Municipal Solid Waste Management Asia-Pacific Experience Sharing, 26 November 2005

On 26 November 2005, a seminar on Municipal Solid Waste Management Asia-Pacific Experience Sharing jointly organized by HKWMA, The Conservancy Association (CAHK) and Centre for Environmental Technology and Management of PolyU was held at the PolyU.

The speakers were Ms. Lister Cheung of CAHK (Hong Kong), Mr. Raymond Fan of EPD (HKSAR), Dr. S.H. Shen of Former EPD Commissioner (Taipei City), Dr. J.P. Lan of Former Consultant to EPA (Taiwan), Ms. Chen Man-li of Taiwan Homemaker Union Foundation (Taiwan), Dr. Tong Soo Loong of Association of Environmental Consultants and Contractors of Malaysia (Malaysia) and Prof. C.S. Poon of PolyU, who represented HKWMA.

The presentation materials of this seminar can be found at CAHK's web site:

<http://www.conservancy.org.hk/recycle/seminar/>

HKWMA Presented Our View on Policy Framework for Management of MSW to LegCo, 19 January 2006

On 19 January 2006, the Panel on Environmental Affairs of LegCo invited various parties to express their views on the Policy Framework for Management of MSW. The Policy Framework was published in December 2005 which set out the Government's strategy in tackling the imminent waste problem in Hong Kong. Mr. Alexi Bhanja presented the Association's view on this subject. The paper can be found in: <http://www.legco.gov.hk/yr05-06/english/panels/ea/papers/ea0119cb1-714-10-e.pdf>

Technical Seminar on Green Island Cement's Co-combustion Pilot Plant, 8 February 2006

On 8 February 2006, Mr. Alexi Bhanja, the Chairperson, held a technical seminar on Green Island Cement's Co-combustion Pilot Plant co-organized by HKWMA and HKIE at the HKIE headquarter.

The speakers, Mr. Don Johnston of Green Island Cement (Holdings) Limited and Prof. Gordon McKay of HKUST, presented the objectives, methodology and the preliminary results of the trial.

Green Carnival 2006, 19 February 2006

– By Mr. C.F. Lam

This is the third year that HKWMA participated in the Green Carnival organized by Green Council at Wan Chai Sports Ground on 19 February 2006. The objective of the event was to enhance environmental awareness of students and members of public. It was very well received with an attendance of over 10,000 primary and secondary school teachers, students and their family members.

A number of game booths and educational displays were set up by commercial and educational organizations at the venue. The highlight of the Carnival was the Fifth Creative Eco-model Tournament. Solar energy driven model cars made of mouse-traps and recycled materials raced on a 24m long track. Our Past Chairman Mr. C.F. Lam was invited as the judge for this competition. Three winning teams were selected based on the functionality, innovation and green concept of the models.

To tie in with our mission of heightening public awareness on waste management, HKWMA set up a booth with displays showing waste management facilities including refuse collection fleets, refuse transfer stations and landfills. Thanks to the contribution of volunteers (university students and graduates assisted by boy scouts) for manning the booth. By taking part in a specially designed recycling game and well explained displays, participants were able to bring home ideas and good practices of sustainable waste management.

We also have the full support of our Chairman Alexi's family. His one-year old boy seems fully enjoyable of the green environment and atmosphere on that family day!



Officiating Guests visiting HKWMA booth decorated with displays on sustainable waste management and recycling game



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Certificate Course in Waste and Environmental Management – By Mr. C.F. Lam

This course is designed for those who need to formulate company environmental policy or improve their environmental performance. Based on a holistic approach which integrates science, technology, legislation, economics, society and environment, participants will be provided with a convenient and formal qualification addressing government policy and legislation as well as business ethics. The course aims to equip participants with the necessary skills to apply and integrate theoretical and practical environmental management knowledge for effective participation in project teamwork. One of the main focuses of the course is the sustainable management of solid waste which is a big challenge facing us today especially for the construction industry and property management companies with the recent implementation of Construction Waste Charging Scheme by the Hong Kong SAR Government.

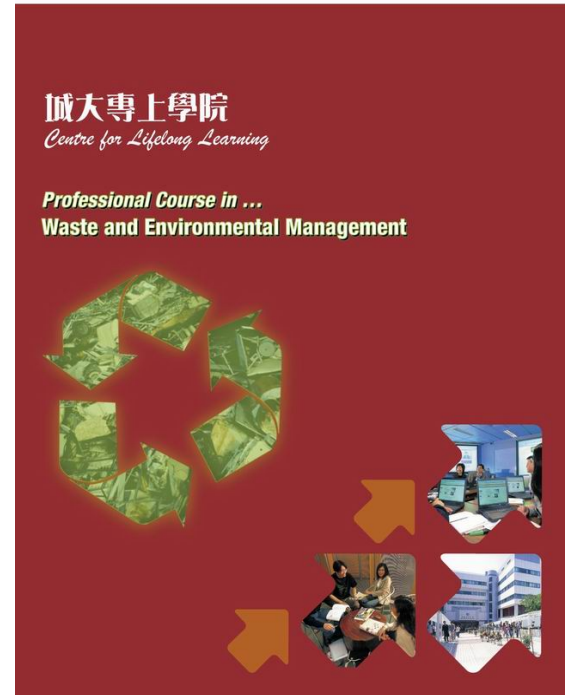
This course is jointly organized by the HKWMA with City University. The qualification is recognized under the Government's Continuing Education Fund Scheme and accepted as a subscription waiver for one years' membership of the HKWMA. The course will consist of 30 hours practically-oriented lectures and technical visits. Topics will include fundamentals of environmental management, environmental pollution and control, sustainable waste management, waste management policy in Hong Kong, waste management options, environmental assessment and management systems, procurement and financing options for waste management facilities. Details of this course can be found at HKWMA's web site:

Leaflet

http://www.hongkongwma.org.hk/files/687_1_waste%20management.jpg

Enrollment Form

http://www.hongkongwma.org.hk/files/688_1_enrollment%20form.jpg



Certificate Course in Waste and Environmental Management from April to June 2006.

Up-coming Waste Management Events/Conferences in Hong Kong and Overseas

- 8 March 2006 – Information Day for Waste Management Course with City University of Hong Kong (CityU).
- April/May 2006 – Technical Visit to Low-level Radioactive Waste Treatment Facility at Siu A Chau.
- April/May 2006 – Mainland Delegation to Beijing/Tianjin.