



AWARENESS RAISING AND CAPACITY BUILDING ON ORGANIC WASTE MANAGEMENT PLAN STAKEHOLDER WORKSHOP

FINAL REPORT June 2015

ABSTRACT

This report is a summary of the activities EST workshop held on 13-14 April 2015 at The Light Hotel, Seberang Jaya.

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Workshop 1 Final Report

Awareness Raising and Capacity Building on Organic Waste Management Plan Stakeholder Workshop

1. INTRODUCTION

The workshop was held on 13 April 2015 at the Light Hotel, Seberang Jaya. A total of 63 participants (23 Female, 40 male) comprising representatives from the 2 local authorities in Penang, other local authorities from neighboring states, community based organizations and other government agencies. The workshop was launched by the Hon. Chow Kon Yeow, the State Minister for Local Government, Traffic Management and Flood Mitigation who later invited newsmen to a press conference after delivering his opening speech.

There was a presentation on the proposed *Penang Organic Waste Management Plan* by Mr Khor Hung Teik a senior waste management consultant and a presentation of *Best Practices on Organic Waste Diversion* by both the Penang Island City Council and the Seberang Perai Municipal Council by Mr Mubarak bin Junus, Director of MBPP Urban Services and Mr Mohd. Puad bin Hamid, Director of MPSP Urban Services, respectively.

Presentations from the community based organisations include one on *Turning Kitchen Waste To Good Use In Organic Farming* by Mr Ng Tho Heng from Taman Desa Damai Environment Resource Centre and another on *Recycling and Composting* by Ms Loh Poh Chen from Taman Pandan Apartment Resource Centre, Butterworth.

Stakeholder discussions followed the presentations. A leader was appointed for each group of 8 participants to capture the group's comments, criticism and proposal if any after each presentation. The primary focus of the discussion was the sustainability of community based projects for organic waste diversion. The complete Workshop Programme is in the table as below :

2. WORKSHOP PROGRAMME

WORKSHOP PROGRAMME
 13-14 April 2015
 The Light Hotel
 Lebuh Tenggiri Dua,
 Pusat Bandar Seberang Jaya,
 13700 Prai, Pulau Pinang

Time	Event
08:00	Registration / Refreshments
09:00	Opening Remarks
09:40	Presentation of proposed Penang Organic Waste Management Plan by Mr Khor Hung Teik, Senior Waste Management Consultant.
10:30	Tea Break
11:00	Presentation of Best Practices on Organic Waste Diversion Strategies By Penang Island City Council by Tuan Haji Mubarak Junus, Director of Urban Services, Penang Island City Council
11:40	Discussion on topics presented and proposals
12:20	Lunch
14:00	Presentation of Best Practices Organic Waste Diversion Strategies By Seberang Perai Municipal Council by Mr Mohd Puad b. Hamid
14:40	Presentation on Turning Kitchen Waste To Good Use In Organic Farming By Mr Ng Tho Heng, Taman Desa Damai Environment Resource Centre
15:20	Presentation on Recycling and Composting by Ms Loh Poh Chen, Taman Pandan Apartments Resource Centre, Butterworth
16:30	Discussion on topics presented and proposals
17:00	Tea Break
DAY 2 : 14 April 2015 (SITE VISIT)	
08:30	Bus leaves The Light Hotel for Taman Pandan Apartments Composting Project
09:30	Visit to Taman Pandan Apartments Composting Project
11:00	Visit to Taman Desa Damai Environment Resource Centre
12:00	Visit to Ampang Jajar Transfer Station
13:30	Lunch
14:30	Leave for Pulau Burong Sanitary Landfill
15:30	Arrive at Pulau Burong Landfill
17:00	Leave for The Light Hotel, Seberang Jaya NB: All sessions will be followed by 10 mins of Q&A

The workshop was closed by the Director of the Penang State Economic Planning Unit Dato' Abu Jamal Nordin after a stakeholder discussion on the presentations and a presentation of certificate of attendance to all participants.

Participants were taken to a city tour of Penang Island in the evening after dinner at The Light Hotel and a trip up Penang Hill by funicular railway to view the city at night.

A field trip was organized the next day (14 April 2015) for participants of the workshop to visit the community projects as well as the Ampang Jajar Waste Transfer Station and the Pulau Burong Sanitary Landfill.

3. Report on Issues Raised by Participants of Workshop

A total of five speakers were invited to present their papers on the Workshop on the subject matter. The participants were then asked to give their views in writing which were earlier presented by the speakers. The following is a summary of their views and suggestions:

Both local authorities in Penang, MBPP and MPSP should be more involved in recycling as well as organic waste management by:

- i. Giving more incentives to those NGO's involved in recycling as well as in organic waste management. A reasonable amount of money up to a maximum of RM600 per month to be paid to project implementers active and serious in recycling and organic waste management. Money to be used for setting up, upgrading and maintenance of facilities. This is to make organic waste management more attractive for community participation.
- ii. Building and maintaining recycling as well as organic waste processing centres.
- iii. Collection of organic waste from restaurants, housing estates, flats, hotels etc as those involved in this project are having problem transporting the organic waste to site. In particular MPSP has been singled out as not supportive of waste composters efforts in this aspect.
- iv. Buying back the finished product i.e organic fertilisers from the recyclers at a reasonable price. These organic fertiliser could be used by the local authorities in parks as well as for landscaping. State and Local Government should be supportive in this aspect. Liquid fertilizers produced by bio regen machines of MBPP at several markets must be economically viable.
- v. Enforcement of green waste disposal. Local Authorities must have strict enforcement and close monitoring of green waste to ensure green waste are disposed of at approved sites. Declaration of green waste disposal are to be submitted by contractors.
- vi. Implementing awareness campaign on recycling with particular emphasis on food waste management through composting.
- vii. Fast track approval should be given by the state as well as local authorities to development projects involving recycling and composting activities e.g land conversion for this purpose.
- viii. Waste collection schedule to be revised that is from 3 times a week to 2 times a week subject to the type and capacity of the bins to be provided.

Realistic targets for organic waste reduction should be set. The campaign should focus on targeted groups such as food establishments, hotels and household. In the proposed organic waste management plan, organic waste reduction in Penang for the year 2015, target is set at 20%, and in year 2020 at 100%, but in reality the value for year 2015 is expected to be less than 0.5%.

Sustained campaign to educate members of public on organic waste management to be made and that these practices be included in the school syllabus with particular focus on pre-schoolers.

Suggestions that recyclers clubs be established and recycling competitions be conducted by authorities to further raise awareness on this matter.

More technical visits to see best practices on food waste management involving the community to raise public awareness.

Delegates want implementation of segregation at source to ensure non- organic waste are not contaminated by food waste for easy recycling and to prolong the lifespan of the only landfill in Penang.

4. Report on Field Trip

A field trip was conducted on 14th April 2015 to visit organic waste management projects and facilities as below :

4.1. Taman Pandan Apartment Environment Resource Centre

Ms Loh Poh Chen from Taman Pandan Environment Resource Centre explained the Aerobic Layering Composting Technique to participants. Residents practise recycling and segregation at source. Other activities include sewing of recycled plastic bags from raw materials from used plastic billboard/banner and making of compost for sale. Proceeds are used to maintain and upkeep the centre.

4.2. Taman Desa Damai Environment Resource Centre

Mr. Ng Tho Heng explain the technique used in turning organic waste to compost. Organic kitchen waste from participating households are mixed with 'magic catalyst' a type of enzyme. Excess water is drained off after 2-3 days. After 1 week of fermentation, the food waste is ready to be buried in a trench 6-8" deep. The food waste is ready as organic compost for plants in 4 weeks time.

4.3. Ampang Jajar Waste Transfer Station

Mr. H.H.Tan from Eurasia Express Sdn. Bhd, the company operating Ampang Jajar Waste Transfer Station at Ampang Jajar explained organic green waste management. MPSP carries out regular trimming of trees. The green waste is brought to Ampang Jajar for disposal. Shredders are used to grind the wood from trees as well as discarded wooden furniture waste and waste wood collected by MPSP. The shredded organic waste is packaged and sold as soil enhancer.

4.4. Pulau Burong Landfill

The last leg of the journey was a visit to the landfill at Pulau Burong. Mr. Mohd Faizal of PLB Terang Sdn. Bhd. briefed participants on the operations of PLB Terang Sdn. Bhd. at the landfill. The participants were also taken to the leachate treatment plant and the Material Recovery Facility (MRF) and briefed on the day to day operations.

ATTENDANCE LIST UNEP 1STWORKSHOP

RAISING AWARENESS AND CAPACITY BUILDING ON ORGANIC WASTE
MANAGEMENT STAKEHOLDER WORKSHOP 13-14 April 2015
Dewan : The Light One, Tingkat 1, The Light Hotel, Seberang Jaya

No	Name	Designation/Department	Gender
1.	Tuan Haji Zulkifli Bin Long	Deputy Director (Makro) UPEN	M
2.	Shahril Zamani Bin Md. Zain	Assistant Director (Regional Development & Environmental) UPEN	M
3.	Henry Loh	Project Manager Gender Responsive & Participatory Budgeting (GPRB) Penang Women's Development Corporation	M
4.	Shariza Kamarudin	Senior Project Officer Gender Responsive & Participatory Budgeting (GPRB) Penang Women's Development Corporation	M
5.	Salwa Binti Ismail	Research Officer Penang Green Council	F
6.	Gooi Ting Shan	Programme & Project Executive Penang Green Council	F
7.	Vishathini a/p Kanasan	Principal Assistant Secretary Local Government Division	F
8.	Lokman Hakim Bin Syed Sultan	Assistant Secretary Local Government Division	M
9.	Oon Lai Kuan	Unit Head Solid Waste Management Unit Local Government Division	M
10.	Chuah Ghee Chuan	Assistant Environmental Health Officer Solid Waste Management Unit Local Government Division	M
11.	Mohd Yusran Bin Mohd Yunus	Assistant Environmental Health Officer Solid Waste Management Unit Local Government Division	M
12.	Kaliammal a/p Rajendiran	Administrative Assistant Solid Waste Management Unit Local Government Division	F
13.	Norazlina Binti Mohd Zainul	Administrative Assistant Solid Waste Management Unit Local Government Division	F

14.	Nur Badariah Binti Md. Hassan	Administrative Assistant Local Government Division	F
15.	Roaziani Khanon Binti Azizuddin	Administrative Assistant Local Government Division	F
16.	Noor Fadzlini Binti Nasim	Administrative Assistant Local Government Division	F
17.	Mohammad Syukur Bin Ishak	Administrative Assistant Local Government Division	M
18.	Mohd Lutfi Bin Talib	Local Govt. Division	M
19.	Yeap Meng Chee	Corporate Communication Division State Secretariat	F
20.	Mubarak Bin Junus	Director Penang Island City Council	M
21.	Md. Rouse Bin Md. Rejab	Environmental Health Officer Penang Island City Council	M
22.	Foo Kok Beng	Environmental Health Officer Penang Island City Council	M
23.	Muniroh Binti Zakaria	Environmental Health Officer Penang Island City Council	F
24.	Bavani a/p Sundaramoorthy	Legal Officer Penang Island City Council	F
25.	Mohd Puad Bin Ismail	Director Seberang Perai Municipal Council	M
26.	Khor Hun Teik	Solid Waste Consultant	M
27.	Chew Eng Seng	Assistant Veterinary Officer Seberang Perai Municipal Council	M
28.	Ebramsah Bin V.S.S Abdul	Assistant Environmental Health Officer Seberang Perai Municipal Council	M
29.	Roslenda Binti Che Ibrahim	Cultural Officer Seberang Perai Municipal Council	F
30.	Idris Bin Awang	Assistant Environmental Health Officer Kuantan Municipal Council	M
31.	Mahamed Tarmize Bin Mat Sah @ Mohd Shah	Assistant Environmental Health Officer Kuantan Municipal Council	M
32.	Mohd Azmi Bin Amer Khan	Assistant Environmental Health Officer Kuantan Municipal Council	M
33.	Abdul Halim Bin Md. Akhir	Environmental Health Officer Alor Setar Municipal Council	M
34.	Siti Noor Binti Yusof	Assistant Environmental Health Officer Alor Setar Municipal Council	F
35.	Ir. Ang Aing Thye	Secretary Penang Island City Council	M
36.	Hj. Mohd. Rozali bin Mahamud	Secretary Seberang Perai Municipal Council	M
37.	Ismail Bin Hashim	Assistant Environmental Officer Seberang Perai Municipal Council	M

38.	Azhana Binti Che Ghazali	Solid Waste and Public Cleansing Management Corporation (SWCorp) Alor Setar, Kedah	F
39.	Ryna Khoo	Eurasia Express Sdn. Bhd.	F
40.	Tan Han How	Eurasia Express Sdn. Bhd.	M
41.	Shazana Binti Mohd Rafi	Eurasia Express Sdn. Bhd.	F
42.	Syamsuar Bin Husin	PLB Terang Sdn. Bhd.	M
43.	Goh Beng Wah	Hemisphere Cleantech Sdn. Bhd.	M
44.	Abg Hooi Pheng	Hemisphere Cleantech Sdn. Bhd.	F
45.	Julee Chin	Auto City	F
46.	Jacy Leoh	Auto City	F
47.	Abdul Rahman Bin Saad	Committee Member Environmental Library Permatang Nibong	M
48.	Loh Poh Chen	Taman Pandan Resident's Association	F
49.	Lee Hoo See	Taman Pandan Resident's Association	F
50.	Lai Khai Wei	Taman Pandan Resident's Association	M
51.	Thiew Kian Ghee	Taman Pandan Resident's Association	M
52.	Angela Tritto	PHD Student (Penang Insitute)	F
53.	Lim Chee Keong	Secretary Environmental Library Taman Tambun Indah	M
54.	Shahrudin Bin Mohd Shariff	PPR Jalan Sjngai	M
55.	Mohd Naym Bin Othman	PPR Jalan Sungai	M
56.	Mah Yin Fun	Chairman Tanjung Indah Apartment's Management Corporation	M
57.	Tan Eu Luan	Secretary Tanjung Indah Apartment's Management Corporation	F
58.	Ng Tho Heng	Environemntal Library Desa Damai	M
59.	Yap Sin Wai	Environemntal Library Desa Damai	M
60.	Khor Choon Meng	Environemntal Library Desa Damai	M
61.	Tang Kean Poay	Chairman JKKK Bukit Panchor	M
62.	Mat Zain Mat	Environemntal Library Permatang Nibong	M
63.	Ab. Rahim Sanusi	JKKK Bayan Lepas	M

Male = M

Female = F

Appendix 2 PHOTOGRAPHS OF AWARENESS RAISING & CAPACITY BUILDING WORKSHOP



Photo 1: Official Launching By Hon Mr Chow Kon Yeow



Photo 2: Discussion session for Workshop Participants



Photo 3: Taman Pandan Composting Shed



Photo 4: Taman Desa Damai Certified Organic Vegetable plots



Photo 5: Ampang Jajar Waste Transfer Station



Photo 6: Pulau Burong Sanitary Landfill

