WEBINAR II

Lessons learned from COVID-19 pandemic situation towards building resilient cities (SDG 11) – What can 3R and circular economy offer at local, national and regional level?

1 December 2020

Closing
COVID-19 pandemic

• Significant decrease in Nitrogen dioxide (NO$_2$) and PM2.5 concentrations
• Increase in demand of online purchase, home delivery of food and other necessities
• Significant increase the amount of waste, especially single-use plastics.
Build-back-better aftermath of the COVID-19 pandemic

- 3R and Circular Economy concept must be considered to minimize the health impact of such pandemic in the future
- Waste separation and collection are important to build the Circular Economy
- Reduction in their waste generation by changing behavior and redesign the business model
- Investment in recycling infrastructure
- Measure of protection of waste workers and public health
Thailand initiatives on waste management especially plastic waste management
Thailand’s Roadmap on Plastic Waste Management 2018 – 2030

**Target**
1. Reduce and stop using single-use plastic targets by replacing with environmental friendly products.
2. 100% of target plastic wastes to Circular Economy.

**Phase 1**
- Stop using in 2019
  - Cap seal
  - Oxo
  - Microbead

**Phase 2**
- 2018
  - Establish Subcommittee, Working groups
  - Develop Roadmap for Plastic Waste Management 2018 – 2030
- 2019
  - 0.5 million tons Utilization
- 2020
  - 1.5 million tons Deposited by Undiluted Indicator
- 2021
  - Develop guidelines/requirements/standard for environmental friendly plastic products
- 2022
  - Plastic bag < 35 micron
  - Foam food container
  - Plastic cup < 100 micron
  - Plastic straw
  - Monitoring, evaluation and review Roadmap and Action Plan
- 2023
  - Reducing and stop using other single-use plastics

**Phase 3**
- 2027
  - 100% of target plastic wastes to Circular Economy
- 2028
  - Law enforcement on Plastic Waste Management
- 2029
  - Continuously working to meet the target of Roadmap

Source: Pollution Control Department, 2019
Current Situation on Plastic Waste Management in Food Delivery

- A survey conducted by PCD during 15 – 26 April, 2020

Increasing of the consumption of food delivery approximately 30%

Use application 57%
Cook at home 43%

5,100 sampling

- Plastic waste composition from food delivery

- Plastic waste management from food delivery by consumers

Plastic bag 16%
Plastic box 15%
Straw 9%
Plastic spoon 9%
Plastic cup 7%
Plastic wrap 7%
PS foam box 5%
Other 4%
Knife 3%
Seasoning packet 17%
MEMORANDUM OF UNDERSTANDING (MOU)
Between
Pollution Control Department,
Ministry of Natural Resources and Environment
And

This MOU made to show the intention to agree between PCD and the other to jointly create cooperation between the public and private sectors to preventing and solving the problem of plastic waste by driving the reduction of single-use plastics from Food Delivery.
Guideline for Plastic Waste Management in Food Delivery

Application platform (Food delivery service provider)
- Add opt-in function in Application (refuse utensils and other include seasoning packets, showing Eco Label /environmentally friendly packaging /stores provided information to make decisions)

Restaurant
- Use environmentally friendly packaging
- Ask customer about eating utensil and other include seasoning

Customers
- Inform application platform or restaurant do not receive the plastic utensils and other include seasoning packets
- Source separation recyclable packaging
Waste and Hazardous Substances Management Bureau, 
Pollution Control Department

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