

THAILAND E-WASTE AND PLASTIC WASTE MANAGEMENT



Pollution Control Department
Department of Industrial Works

ASIAN NETWORK 2020 online meeting
19 – 20 November 2020



E-WASTE

Domestic E-waste Generation @ 2019

Type	Amount (tons)
television	99,447.71
Air conditioner	77,653.41
refrigerator	65,995.07
Washing machine	62,807.60
Computer	59,711.41
DVD player	32,830.77
Telephone/mobile phone	12,915.30
Digital camera	9,973.73
total	421,335.00

Source:
hazardous waste
situation report,
2019, Pollution
Control
Department

**Only 500 ton of domestic e-waste were reported to be collected and managed
in environmental sound by 19 local governments**

E-waste managed by informal sectors



Imported E-waste 2014 – 2018

year	Amount of imported e-waste (ton)
2018	38,404.05
2017	54,260.60
2016	1,986.55
2015	1,626.50
2014	907.86

Department of Industrial Works temporary ban the import of E-waste in 2018

source: www.basel.int, 2019

Cracked down on October 21, 2018

Pictures from the Royal Thai Police's file



National policy for imported e-waste, UEEE and plastic scrap



- Importation ban on 428 HS codes of e-waste

- [Notification of the Ministry of Industry](#), Subject: Specifying the type and origin of raw materials that will be used in the factory, B.E. 2563 (2020)
- [Notification of the Ministry of Commerce](#), Subject: Electronic waste is prohibited from importing into the Kingdom, B.E. 2563 (2020)

Increase the effectiveness of inspecting imported containers

- Department of Customs inspects all containers declared as plastic scraps, e-waste and UEEE
- Department of Customs has been revising their regulation from seizing illegal container and then sold by auction to immediately deported.

Used-E

- Department of Industrial Works is in the process of revising the notification of import Used-E

Used-E import Policy (under revision)



Import for reuse

Import is not allowed for this purpose except Network equipment, storage devices, Communication system equipment (Telecommunication) digital network equipment. Uninterruptible power supply system

They are needed in business and cannot be locally produced, need specialized technology and have a high price.



Import for repair

Import is not allowed for this purpose except export after repair.



Import for refurbishment

Import is not allowed for this purpose except copy machine because of its high cost



Import for dismantling

Import is not allowed.

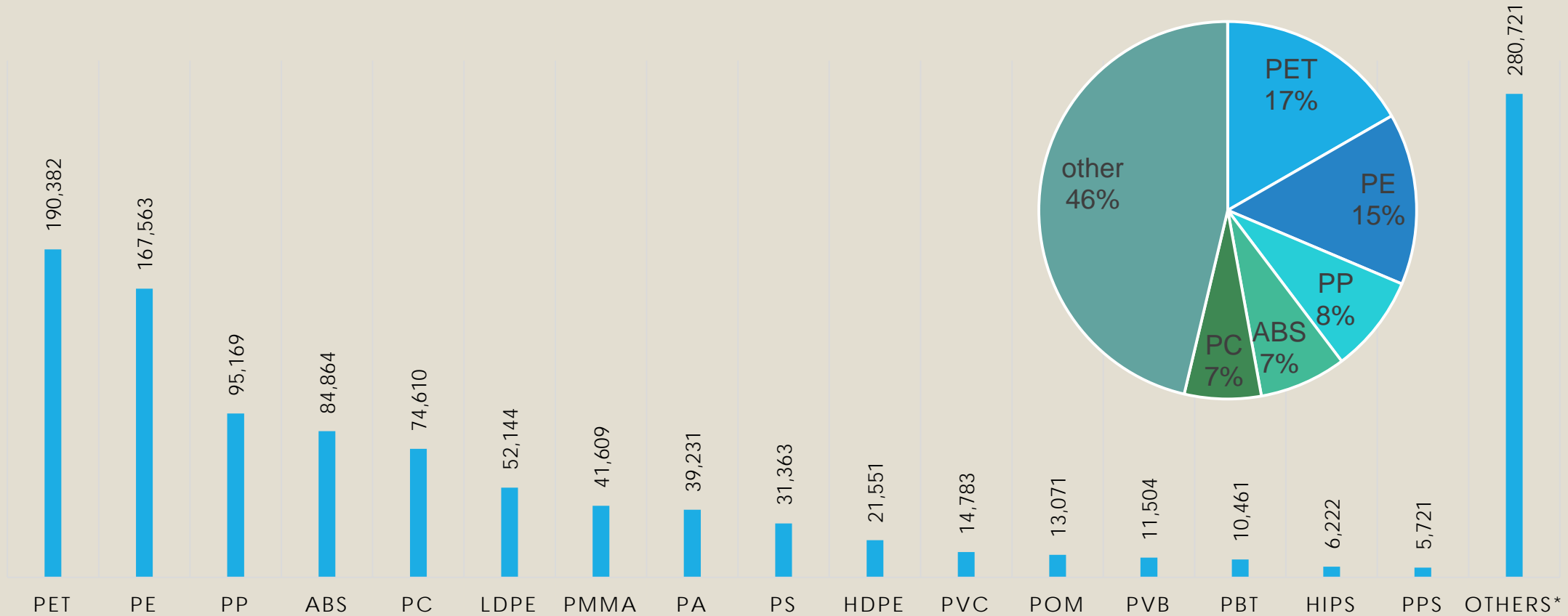
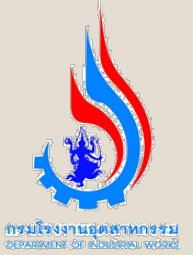


PLASTIC WASTE

The amount of imported plastic scrap



Type of imported plastic scrap (ton/year)



Source : questionnaire from 66 factories

Imported plastic scrap

- Department of Industrial Works temporary ban the import of plastic scrap in 2018 (no new quota)
- All quota for imported plastic scrap was expired in September 2020

Complaint from plastic factories that domestic plastic scraps are lack of quality and quantity.



Plastic waste management

- Domestic plastic waste generation about 1.5 million tons a year.
- Only 0.5 million tons can be collected and recycled.
- The rest are left at the landfill, no separation before disposal.
- **Roadmap for domestic plastic waste management (year 2018 – 2030)**
 - **Ban in 2019:** cap seal for drinking water bottle, microbead plastic for cosmetic, plastic mixed with oxo.



- **Ban in 2022:** foam container, plastic glass, straw, < 36-micron plastic bag



styrofoam food
boxes



single-use
plastic cups



plastic straws



plastic bags
<36 microns thick

Roadmap for domestic plastic waste management (year 2018 – 2030)



กรมควบคุมมลพิษ
POLLUTION CONTROL DEPARTMENT

1. Acknowledge people



3. Two pilot project on plastic management



Rayong Province



Klongtoey, Bangkok

2. Develop Plastic Material Flow



4. Plastic waste for road

Plastic Waste and E-waste become a national agenda

National Environmental Committee

chaired by Prime Minister

Subcommittee of Plastic Waste and E-waste

chaired by Minister of MONRE

Working Groups

- Management mechanism development
- Domestic waste management promotion and public relation
- Development of plastic waste utilization
- Plastic factory inspection

National Environmental Committee has assigned “Subcommittee of Plastic Waste and E-waste” to proper manage wastes from plastic and e-waste. Minister of National Resources and Environment is a chair of the subcommittee.



E-waste

- Subcommittee approved the measures for management problems both for the domestic and imported e-waste on 3 September 2020.
- The measure was approved by the national environmental committee on 22 October 2020.
- The measure will further be acknowledged by the cabinet.

Plastic waste

Management measures and imported plastic quota is under consideration of the subcommittee.

Imported plastic scrap

- The working group orders provincial ad-hoc team to audit all 157 imported plastic recycling factories. This is to find out the actual quantity and types of plastic scrap needed. The working group has to report the findings to the subcommittee by December 2020.
- The committee will decide the appropriate quota for plastic scraps.
- Meanwhile, Ministry of Commerce has initiated “Ministry of Commerce regulations Regarding permission of import plastic scraps into the Kingdom B.E.”. It will control the inbound tariff, category 39.15. The imported plastic scrap must be destined only to the defined factory, approved by the Department of Industrial Works, for direct recycling in the environmentally sound management manner.

Guidance of import of plastics scrap (Draft)



The conditions of plastics scrap

- Single type of plastic or segregated plastics scrap
- Not contaminated with heavy metal, chemical, hazardous substance, dirt, soil, organic material, or other materials
- Still in usable or recyclable condition
- No unwanted smell or bad odors

The conditions of facility

- Certified with ISO14001
- Normal operation without community complaint

The conditions of import permit request

- Single shipment permit, non transferable
- Accompanied with certificate that plastic scrap is met with import conditions



THANK YOU!

STAY HEALTHY!