Environmentally Sound Management of E-waste in the Asia and the Pacific: Chinese Practice

E-waste Activities for Solving E-waste Problems on regional level

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History of BCRC China

1993
China NEPA established National Training and Technology Transfer Center for Hazardous Waste Management and Disposal of China (NTTTCC) in Tsinghua University

1995
COP3 to the Basel Convention officially selected China to establish a regional center for hazardous waste management in Asia-Pacific region

1997
BCRC China was established based on the NTTTC, function and operation mode was regulated

2009
BCRC China was endorsed as one of the Stockholm Convention Regional Centers on COP4 to Stockholm Convention

2011
Framework agreement signed by secretariat of Basel Convention and the government of the People’s Republic of China
Expertise of BCRC China

Full-time staff: 13
Part-time support resources: Experts from Tsinghua University

Policy and Management Research


Period: 2010
Source: Ministry of Environmental Protection, China
Target: In order to improve legal system on e-waste and ESM of e-waste, BCRC China support Ministry of Environment Protection of China to draft related regulations and guidance documents.

Outcome:
1) Drafting "Guide on Qualification Verification and Approval on Treatment Enterprises of Waste Electrical and Electronic Products" as one supporting rule of China WEEE Directive
2) Drafting "Guide on the Development Plan of the Treatment and Disposal of Waste Electrical and Electronic Products" as one supporting rule of China WEEE Directive
3) Producing the Interpretations for China WEEE Directive
Policy and Management Research

Regional Level Project

Project: The Import/Export Management of E-waste and Used EEE

**Outcome:**
- Review of waste/non-waste identification criteria on used EEE, and import regulations
- Review of hazardous / non-hazardous identification criteria on used EEE, and import regulations
- Regional Workshop on waste export/import management scheme attended by participating countries
- Participating Countries: 10 countries in Asia

**Founded by:**
The Basel Convention Trust Fund

**Period:** February 2008-June 2009

**Objective:** Facilitate the ability of participated countries to identify and respect the controls of importing Asian countries applicable to UEEE and WEEE

Technology Development and Pilot

Sponsored by Jiangsu Provincial Science and Technology Department (2006-2008)

**Project 1:** Demonstrate Project of E-waste and Other Wastes Recycle in Suzhou New and Hi-tech Industrial Development Zone

Sponsored by Ministry of Science and Technology, China (2006-2010)

**Project 2:** Cleaner Production and Circular Economy Model of the key technology and research project - Suzhou urban circular economy development model and pilot - the whole set of recycling technologies on e-waste and engineering pilot

**Outcome:**
- Finishing key technology and application research on dismantling and classifying of E-waste/residues from dismantling.
- Implementing scheme on pollution control in e-waste recycling pilot engineering.
- Toxic and hazardous substance database of e-product and e-waste was established.
- Finishing waste PCs dismantling and treating pilot line of 522 thousand pieces per year in Suzhou China
Technology Development and Pilot

In cooperation with Chinese Research Academy of Environmental Science (2007-2010)

**Project 3: National environmental management decision-making support for key technology research project - E-waste recycling technology specification and risk research**

Sponsored by Ministry of Environmental Protection (2007-2009)

**Project 4: Environmental Protection Public Welfare Project "The study on the recycling of waste household appliances and the environmental supervision"**

Sponsored by Bureau of Environmental Protection of Macao, China (2010-2011)

**Project 5: E-waste Management and Pollution Controlling Demonstration in Macao, China**

**Other on going projects......**

**Outcome:**
- Evaluation on e-waste recycling technologies;
- Treatment technology scheme on waste household electronic appliances focused on display and refrigeration equipment.
- Typical management method on e-waste recycling enterprises
- Evaluation guidance on recycling of waste and used household electronic appliances
- Identification guidance of products and residues from recycling of waste household electronic appliances
- Establishing a comprehensive program on e-waste pollution controlling for Macao environmental protection agency
- ......

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Typical projects in Capacity Building

**Project 1: Development of Public Private Partnership for E-waste Collection in the Pilot City**

**Project 2: Collection and Treatment Schemes for Electronic Waste**

**Project 3: Regional Workshop on E-waste Identification towards the Prevention of Illegal Transboundary Movement for Hazardous Waste and Other Wastes in Asia**

PACE training workshop on guidelines in 2-3rd December 2011 in Shenzhen, China

**Other Projects: BCRC China supplied technical support, consulting and developed plans in cooperation with local enterprises and governmental authorities**
Thank you for your attention!

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