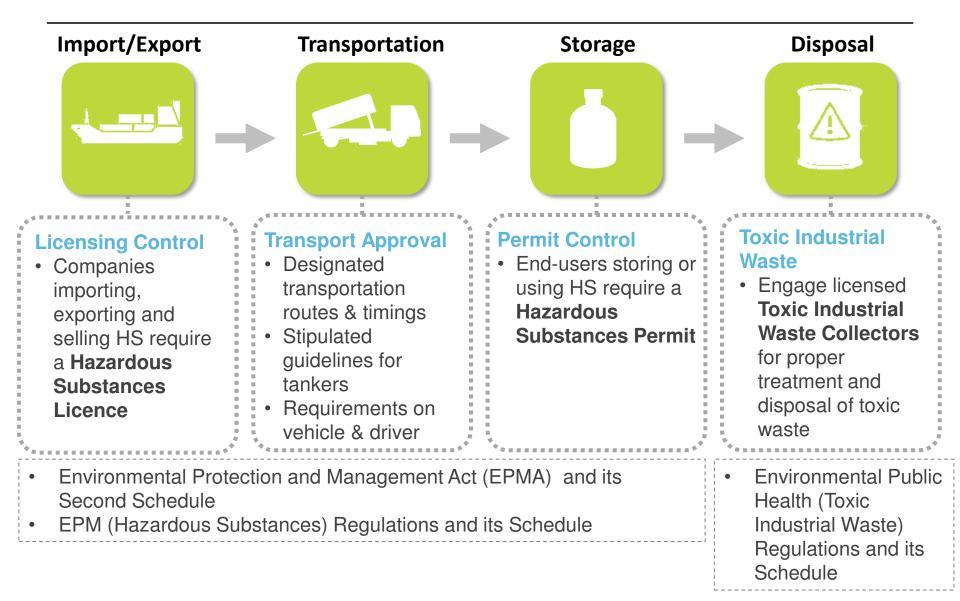
## Hazardous Substances (HS) Licensing Control

• Proposed Control of New Hazardous Substances under EPMA

Presented by: Tracy Toh, Scientific Officer

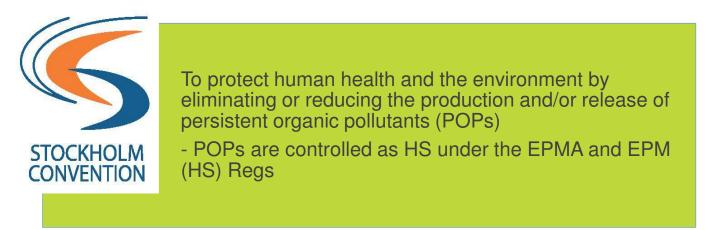
Pollution Control Department (NEA)

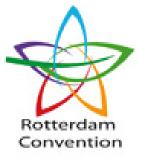
# Overview on Regulatory Control of Hazardous Substances



# Multilateral Environmental Agreements (MEAs)

- NEA stays informed of international developments through the MEAs and meets its obligations by implementing measures on the controlled chemicals.
- Chemicals listed under the MEAs are included for control as HS under the EPMA and EPM (HS) Regs





Regulate the international movement of certain hazardous chemicals and pesticides through the Prior Informed Consent (PIC) procedure

- PIC chemicals are controlled as HS under the EPMA and EPM (HS) Regs

# Chemicals under Review by MEAs

S/N	Chemical Name	MEA	Common Uses
1	Pentadecafluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Stockholm Convention	<ul> <li>Production of fluoropolymers</li> <li>Common household appliances (e.g. non-stick cookware)</li> </ul>
2	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS – related compounds	Stockholm Convention	<ul> <li>Manufacture of surfactants, fluoropolymers, water and stain protective coatings</li> </ul>
3	Benzidine and its salts	Rotterdam Convention	<ul> <li>Manufacture of plastic films, rubber compounds etc</li> <li>Lab analysis (e.g. detection of blood)</li> </ul>
4	Bis(chloromethyl) ether	Rotterdam Convention	<ul> <li>Manufacture of polymers, flame retardant fabrics</li> <li>Lab analysis</li> <li>Surface treatment of vulcanized rubber</li> </ul>
5	Dinoterb	Rotterdam Convention	Herbicide and rodenticide
6	Amitraz	Rotterdam Convention	Insecticide and acaricide
7	Lambda-cyhalothrin	Rotterdam Convention	Insecticide
8	Atrazine	Rotterdam Convention	Herbicide
9	Paraquat Dichloride	Rotterdam Convention	Herbicide
10	Acetochlor	Rotterdam Convention	Herbicide
11	Hexazinone	Rotterdam Convention	Herbicide

## Proposed Control of New Hazardous Substances

### **Proposed Control**

- To include the chemicals as Hazardous Substances under the EPMA and EPM(Hazardous Substances) Regulations for licensing control.
- This will enable NEA to restrict the use of the chemicals locally and to impose licensing conditions when the chemicals are listed under the Stockholm or Rotterdam Convention.

#### **Industry Consultation**

- NEA will be seeking feedback from industries on the proposed control of the chemicals.
- The consultation will gather industry's feedback on the uses of the chemicals in Singapore and any available alternatives.

# **Our Environment**

## Safeguard • Nurture • Cherish

