Management of ship’s waste in the Port of Antwerp

Johan Van Cleemput
Technical Manager Environment, PoA
1. Port of Antwerp
2. Port Reception Facilities
3. Fee system
4. Data system
the Port of Antwerp today

- total area: 13,057 ha, 160 km quays
- 2012: handling 184 million tonnes of cargo
  - 2nd largest port in Europe
  - 64 million tonnes bulk cargo
  - 104 million tonnes containers
- 15,000 calls/year seagoing vessels
- 65,000 calls/year inland vessels
- largest and most diversified petrochemical cluster in Europe
  - 2nd largest worldwide
  - 7 of the 10 largest chemical companies have one or more production sites
Port Reception Facilities in port of Antwerp

• **open market**: ship/agent can choose any authorized PRF operating in the port

• **PRF’s authorized** by both environmental authorities and port authority

• **any facility** (fixed, floating or mobile) capable of receiving ship-generated waste or cargo residues

• **adequate** to meet the needs of the ships normally using the port, without causing undue delay
  ➔ not only **capacity**, also **service level** and **fee** level

• in case of shortcomings or inadequacies: **report** to
  ✓ IMO (alleged inadequacies)
  ✓ port authority (ref. to WRH plan)
  But no reports of any!

• ? Are there adequate PRF’s in PoA for future handling of **scrubber** waste?
Fees and reimbursement for ship-generated waste: the Antwerp model

• **every vessel pays** waste fee (contribution of every ship mandatory by EU Directive).

• Fees are **reimbursed through the PRF (deducted on invoice of PRF to ship)** and are dependent on the amount of waste delivered annex I (20€/m³) – annex V (25€/m³).

• **Present system**: fee dependent on size class and type of ship (factor 1 to 6) with maximum, reimbursement dependent on the amount of annex I or annex V delivered.

• System **from 1/1/2015**: harmonised fee and reimbursement system of ports in Netherlands and Belgium.
Fee and reimbursement system

Sea going vessel

waste fee

delivery to PRF:
X ton annex I
Y ton annex V

invoice to ship:
2000 € (example)
- 250 € (to be mentioned on invoice)
= 1750 € (to be paid by ship)

Port Reception Facility

Port of Antwerp

Waste fund

Reimbursement (= incentive to deliver):

- MARPOL Annex I: 20€ x Xm³
- MARPOL Annex V: 25€ x Ym³
## Fees and reimbursement for ship-generated waste: Harmonised system (2015 onwards)

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<thead>
<tr>
<th>Fee</th>
<th>&lt;2000 GT</th>
<th>&gt;2000 GT</th>
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<td>Fixed base fee</td>
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<td>Variable fee per GT</td>
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<td>Maximum fee</td>
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<td>Discount environmentally friendly ship (%)</td>
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<thead>
<tr>
<th>Reimbursement</th>
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<td>Annex I – fixed</td>
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<td>Annex I - var &lt;30 m³</td>
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<td>Annex I - var &gt;30 m³</td>
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<td>Annex V – fixed</td>
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<td>Annex V - var &lt;maximum</td>
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<td>Annex V - var &gt;maximum</td>
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<td>Annex V - KGA</td>
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Antwerp waste information and monitoring system (WASTECOL)

• web based system on ship-generated waste & cargo residues
• in use since August 2007

• used by PRF:
  ✓ to register delivered amounts of waste (reporting requirement!)

• used by port authority:
  ✓ to monitor & verify fees and reimbursements
  ✓ to monitor waste flows (comparison with ship’s notification)
  ✓ register PRF’s
  ✓ register IOPP certificates (dedicated storage capacity)

• used by Port State Control:
  ✓ to target vessels for inspection
WASTECOL: advantages

✓ **accurate** and **detailed data** on delivery of ship generated waste

✓ full picture of **waste flows** from ship to PRF’s

✓ reliable **statistics**: monitoring

✓ **reduced bureaucracy**

✓ increased **transparency**

✓ internet application:

  = **exchange of information** between ports possible
Thank you for your attention