Paper Collection in the Rhine-Sieg Region

Speaker: Heike-Marie Janning, Dipl. Oec. troph.
Paper Collection in the Rhine-Sieg Region

Rhine-Sieg Region, RSAG AöR

Paper collection in our Region

Paper sorting, commercialization
Rhine-Sieg Region

- In the South of North-Rhine-Westphalia, Germany
- On the banks of the Rivers Rhine and Sieg
- Around the former capital Bonn, next to Cologne
- one of the largest rural districts in Germany
Rhine-Sieg Region

Statistics:
- 19 Cities/Communities
- 580,000 Inhabitants
- 260,000 Households
- 22,600 Businesses
- 1.153 km³

Structure:
- Small and Medium Sized Enterprises
- Tourism
RSAG AöR (Public Company)

- Municipal Company, Head Office: Siegburg
- Shareholder: Rhine-Sieg Region (100%)
- Several waste management facilities (reloading, composting, bulk sorting, paper sorting), no incineration plant
- 400 employees
- 88 collection trucks
Areas of Functions

Collection  
Reloading / Transport  
Container-Service

Bio Waste  
Paper  
Recyclables  
Non-Recyclables  
Bulk
Waste separation in our Region

Collect and Bring systems:

- Household waste (non-recyclable)
- Paper, cardboard
- Organic waste (Kitchen and garden waste)
- Recyclable fraction (Plastics, metals, glas, sales packaging e. g. laminated packaging)
- Bulk waste
- Hazardous waste
- Electric equipment
- Used clothes
Waste separation in our Region

Amount of collected Waste 2013:

<table>
<thead>
<tr>
<th>Waste</th>
<th>in Mg</th>
<th>in kg per capita</th>
</tr>
</thead>
<tbody>
<tr>
<td>Household Waste</td>
<td>68.456</td>
<td>117,85</td>
</tr>
<tr>
<td>Paper, Cardboard</td>
<td>52.789</td>
<td>90,88</td>
</tr>
<tr>
<td>Bulk waste</td>
<td>25.310</td>
<td>43,57</td>
</tr>
<tr>
<td>Recyclable Waste</td>
<td>37.919</td>
<td>65,28</td>
</tr>
<tr>
<td>(Plastics, Metals, Glas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic Waste</td>
<td>89.355</td>
<td>153,83</td>
</tr>
<tr>
<td>Trade waste</td>
<td>31.077</td>
<td>53,50</td>
</tr>
<tr>
<td>Electronical waste</td>
<td>3.882</td>
<td>6,69</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>308.788</strong></td>
<td><strong>531,59</strong></td>
</tr>
</tbody>
</table>
Paper Collection in the Rhine-Sieg Region

Rhine-Sieg Region, RSAG AöR

Paper collection in our Region

Paper sorting, commercialization
Paper collection in our Region

• Start of paper collection: in the 1990s
• Aim: Reduction of non-recyclable waste
• Collect-System for households:
  – Containers (240 litres): 185,000 (2014)
  – Containers (770, 1100 litres): 2,500 (2014)
• In the beginning: 10 consultants for waste separation (information telephone, school visits, written information)
Fee System in Rhine-Sieg Region

• Every household has to pay a fee for waste.
• This fee is subdivided in 2 parts:
  – Basic fee for all household or trade
  – Separate fee for containers (non-recyclable, organic)
  – Paper and recyclable containers are free of charge.

→ The more non-recyclable waste you produce, the more you pay.
Consulting for waste separation

- **Schools, Kindergartens:**
  - Waste separation games, paper making, conducted tours to the waste facilities, lectures

- **Inhabitants:**
  - Information telephone, brochures, flyers, posters

- **Housing Estates:**
  - Information meetings in the home, flyers in different languages
Paper Collection in the Rhine-Sieg Region

Rhine-Sieg Region, RSAG AöR

Paper collection in our Region

Paper sorting, commercialization
Developement of Paper Prices

Preisentwicklung Altpapier mittlerer EUWID

IMPACT Workshop Warsaw, Dipl. Oec. troph. Heike Janning, 24.06.2014
Rhein-Sieg-Abfallwirtschaftsgesellschaft mbH • Pleiser Hecke 4 • 53721 Siegburg • www.rsag.de
Paper sorting

- According to the drop of paper prizes in 2008/2009
  - Company decision: Start of sorting paper
- Rented Paper sorting facility (Owner: Private waste company)
- RSAG is sorting paper from July 2010
- Paper waste from Rhine-Sieg Region and City of Bonn
Paper Sorting Facility
Paper Sorting Facility
Paper Sorting Facility
Paper Sorting Facility
Commercialization

Sorted paper qualities (at the moment):
• Deinking Quality (1.11) → 39%
• Department Store Paper (1.04) → 14%
• Mixed Paper (1.02) → 22%
• Mixed Paper, light (1.08) → 25%

We sell all paper (sorted or mixed) to different paper mills in the area.
Future Targets

- Achieve a higher percentage of Deinking Quality Paper (→ 60%)
- Making a decision for the future:
  - Continue sorting or
  - Put out to tender mixed paper
Thank you for your attention!

Contact: heike.janning@rsag.de
+(49) 2241 306 107