Paper Collection in the Rhine-Sieg Region

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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 Towns/ 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%)
• Volume of Business: 80 Mio. € (2013)
• Several waste management facilities (reloading, composting, bulk sorting, paper sorting), no incineration plant
• 400 employees
• 88 collection trucks
Areas of Functions

- Collection
- Bio Waste
- Paper
- Recyclables
- Non-Recyclables
- Bulk
- Reload / Transport
- Container-Service
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, glass, 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 (Plastics, Metals, Glas)</td>
<td>37.919</td>
<td>65.28</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>308.788</td>
<td>531.59</td>
</tr>
</tbody>
</table>
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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 households or businesses
  - 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
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) → 50%
• Department Store Paper (1.04) → 13%
• Mixed Paper (1.02) → 22%
• Mixed Paper, light (1.08) → 15%

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
Paper Collection in the Rhine-Sieg Region

Thank you for your attention!

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