Waste management 2015: England

Waste managed

<table>
<thead>
<tr>
<th>Waste Management Method</th>
<th>Sites permitted at end 2015</th>
<th>Sites that accepted waste in 2015</th>
<th>Millions Tonnes Managed in 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landfill</td>
<td>493</td>
<td>343</td>
<td>43.9</td>
</tr>
<tr>
<td>Transfer</td>
<td>3,063</td>
<td>2,364</td>
<td>44.9</td>
</tr>
<tr>
<td>Treatment</td>
<td>2,688</td>
<td>2,052</td>
<td>64.1</td>
</tr>
<tr>
<td>Metal Recovery</td>
<td>2,474</td>
<td>1,277</td>
<td>13.2</td>
</tr>
<tr>
<td>Incineration</td>
<td>141</td>
<td>78</td>
<td>10.4</td>
</tr>
<tr>
<td>Use of Waste</td>
<td>226</td>
<td>122</td>
<td>2.0</td>
</tr>
<tr>
<td>Land Disposal</td>
<td>317</td>
<td>191</td>
<td>12.6</td>
</tr>
<tr>
<td>Total</td>
<td>9,402</td>
<td>6,427</td>
<td>191.1</td>
</tr>
</tbody>
</table>

Hazardous waste movements

- Transferred 22%
- Incinerated 6%
- Recovered 30%

Total Hazardous Waste Managed 4.97 million tonnes

Trends: 2000 to 2015

Remaining landfill capacity

- Hazardous Merchant 28%
- Hazardous Restricted 4%
- Non Hazardous with SNRHW cell 19%
- Non Hazardous 6%
- Non Hazardous Restricted 43%
- Inert 0%

Total = 471 million cubic metres
Landfill inputs and capacity 2015

**Landfill inputs**

Landfill inputs by site type in England 2015

- Hazardous Merchant
- Hazardous Restricted
- Non Hazardous with SNRHW cell
- Non Hazardous
- Non Hazardous Restricted
- Inert

**Trends: 2000 to 2015**

Landfill inputs by former planning region in England 2000 - 2015

- South West
- South East
- London
- East of England
- West Midlands
- East Midlands
- Yorkshire & the Humber
- North West
- South East
- North East

**Landfill capacity**

Landfill capacity by site type in England 2015

- Hazardous Merchant
- Hazardous Restricted
- Non Hazardous with SNRHW cell
- Non Hazardous
- Non Hazardous Restricted
- Inert

Remaining landfill capacity by former planning region in England 1999 - 2015

- South West
- South East
- London
- East of England
- West Midlands
- East Midlands
- Yorkshire & the Humber
- North West
- North East
Transfer and treatment inputs 2015

Transfer inputs

Inputs into transfer facilities by site type
England 2015

- South West
- South East
- London
- East of England
- West Midlands
- East Midlands
- Yorks & Humber
- North West
- North East

- Hazardous Waste
- HIC
- Clinical
- Civic amenity site
- Non-biodegradable

000's Tonnes

0 2,000 4,000 6,000 8,000 10,000

Treatment inputs

Inputs to treatment facilities by site type
England 2015

- Biological
- Composting
- Chemical
- Physico-chemical
- Physical
- Material recovery

Former Planning Region

000's Tonnes

0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 11,000 12,000 13,000

Metal recovery inputs

Metal Recovery in England 2015

- North East
- North West
- Yorks & Humber
- East Midlands
- West Midlands
- East of England
- London
- South East
- South West

- 16%
- 12%
- 17%
- 10%
- 4%
- 14%
- 7%
- 10%
- 10%

Total = 13.2 million tonnes
Incineration inputs and capacity 2015

Incineration inputs

Incineration capacity by type
England 2015

Utilisation of incineration capacity by type
in England 2015

Inputs
Capacity
Notes
2005 was a transitional year with data from old and new hazardous waste systems. There were comparability issues and some data was missing so returns for 2005 have not been included in this trend analysis.
The increase in treatment between 2004 and 2007 was largely accounted for by a Single plant on Teesside, which took in more than 1.6 million tonnes of liquid wastes by pipeline from nearby chemical processing plants in 2007. This industry has now decreased substantially shown by the reduction in treatment.
## Regional picture 2015

<table>
<thead>
<tr>
<th>Former Planning Region</th>
<th>East Midlands</th>
<th>East of England</th>
<th>London</th>
<th>North East</th>
<th>North West</th>
<th>South East</th>
<th>South West</th>
<th>West Midlands</th>
<th>Yorkshire &amp; the Humber</th>
<th>ENGLAND</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Landfill Inputs</strong></td>
<td></td>
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</tr>
<tr>
<td>In 2015 (in 000s tonnes)</td>
<td>4,256</td>
<td>8,889</td>
<td>1,718</td>
<td>3,176</td>
<td>4,398</td>
<td>8,388</td>
<td>3,461</td>
<td>4,847</td>
<td>4,799</td>
<td>43,932</td>
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<tr>
<td><strong>Transfer Inputs</strong></td>
<td></td>
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<tr>
<td>In 2015 (in 000s tonnes)</td>
<td>3,828</td>
<td>5,124</td>
<td>7,845</td>
<td>2,871</td>
<td>5,650</td>
<td>6,725</td>
<td>3,653</td>
<td>4,400</td>
<td>4,851</td>
<td>44,947</td>
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<tr>
<td><strong>Treatment Inputs (excluding metal recycling sector)</strong></td>
<td></td>
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<tr>
<td>In 2015 (in 000s tonnes)</td>
<td>5,951</td>
<td>7,798</td>
<td>5,834</td>
<td>3,454</td>
<td>12,210</td>
<td>9,476</td>
<td>6,468</td>
<td>5,421</td>
<td>7,544</td>
<td>64,156</td>
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<tr>
<td><strong>Incineration</strong></td>
<td></td>
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<tr>
<td>Inputs in 2015 (in 000s tonnes)</td>
<td>580</td>
<td>1,074</td>
<td>1,782</td>
<td>686</td>
<td>1,025</td>
<td>2,181</td>
<td>209</td>
<td>1,677</td>
<td>1,167</td>
<td>10,379</td>
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<tr>
<td>Permitted capacity at end of 2015 at operational incinerators (in 000s tonnes)</td>
<td>1,118</td>
<td>1,330</td>
<td>2,090</td>
<td>931</td>
<td>1,466</td>
<td>2,700</td>
<td>481</td>
<td>2,196</td>
<td>1,914</td>
<td>14,227</td>
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<tr>
<td>Number of operational incinerators in 2015</td>
<td>6</td>
<td>6</td>
<td>7</td>
<td>3</td>
<td>8</td>
<td>16</td>
<td>9</td>
<td>13</td>
<td>11</td>
<td>79</td>
</tr>
<tr>
<td><strong>Landfill Capacity &amp; Life</strong></td>
<td></td>
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<tr>
<td>Remaining capacity for non haz merchant sites at end 2015 (000s cubic metres)</td>
<td>34,145</td>
<td>38,222</td>
<td>3,625</td>
<td>17,196</td>
<td>38,849</td>
<td>48,037</td>
<td>17,719</td>
<td>44,847</td>
<td>50,285</td>
<td>292,925</td>
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<tr>
<td>Remaining capacity for merchant haz sites at end 2015 (000s cubic metres)</td>
<td>1,101</td>
<td>-</td>
<td>219</td>
<td>6,887</td>
<td>4,682</td>
<td>600</td>
<td>1,837</td>
<td>-</td>
<td>2,419</td>
<td>17,745</td>
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<tr>
<td>Remaining capacity at inert sites at end 2015 (000s cubic metres)</td>
<td>25,323</td>
<td>19,488</td>
<td>867</td>
<td>10,785</td>
<td>6,292</td>
<td>26,531</td>
<td>10,897</td>
<td>15,207</td>
<td>17,190</td>
<td>132,579</td>
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<tr>
<td>Landfill Life 2015 for non haz wastes only based on 2015 inputs (years)</td>
<td>10.69</td>
<td>4.89</td>
<td>2.1</td>
<td>6.75</td>
<td>8.32</td>
<td>5.89</td>
<td>4.56</td>
<td>10.46</td>
<td>10.89</td>
<td>7.2</td>
</tr>
<tr>
<td><strong>Hazardous Waste</strong></td>
<td></td>
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<tr>
<td>Managed in 2015 (tonnes)</td>
<td>514,334</td>
<td>376,632</td>
<td>347,303</td>
<td>488,498</td>
<td>660,116</td>
<td>578,491</td>
<td>417,435</td>
<td>500,625</td>
<td>724,094</td>
<td>4,607,527</td>
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<tr>
<td>Deposited in 2015 (tonnes)</td>
<td>799,983</td>
<td>284,780</td>
<td>144,490</td>
<td>616,427</td>
<td>759,191</td>
<td>444,478</td>
<td>433,719</td>
<td>701,888</td>
<td>779,063</td>
<td>4,964,019</td>
</tr>
<tr>
<td>Does not include 2,525 tonnes to unspecified destinations.</td>
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</tr>
<tr>
<td>No. of hazardous waste only landfills in 2015</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>23</td>
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</tbody>
</table>