Research on Solid Waste Treatment Industry in China, 2013-2017

(Sample)

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6. Development of Segment Market of Solid Waste Treatment Industry in China

6.1 Industrial Solid Waste Treatment Market in China

6.1.1 Industrial Solid Waste Treatment Market

Industrial waste treatment business includes disposal, treatment and resource utilization of industrial waste; mainly use chemical, physical and biological means to carry out reduction treatment and harmless treatment on toxic and hazardous liquid waste, sludge and waste residue produced by industrial manufacturers; transfer the materials with recycling value into resource products.

(1) The generation and utilization of general industrial solid waste

In 2011, the volume of the national general industrial solid wastes was 3.23 billion tons; the comprehensive utilization volume of general industrial solid wastes was 1.95 billion tons; the storage capacity of general industrial solid wastes was 600 million tons; the treatment volume of general industrial solid wastes was 700 million tons; the volume of discarded general industrial solid waste was 4 million tons.

In 2011, the comprehensive utilization rate of the national industrial solid waste was 59.9%; the number was higher than 90% in Tianjin, Shanghai, Jiangsu, Shandong and Zhejiang.

Tab.9 the Generation and Utilization of the National Industrial Solid Waste

<table>
<thead>
<tr>
<th>Item</th>
<th>Generation volume</th>
<th>Discarded volume</th>
<th>Comprehensive utilization volume</th>
<th>Storage capacity</th>
<th>Treatment volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>General industrial solid waste</td>
<td>322,772.3</td>
<td>433.3</td>
<td>195,214.6</td>
<td>60,424.3</td>
<td>70,465.3</td>
</tr>
<tr>
<td>Hazardous waste</td>
<td>3,431.2</td>
<td>0.01</td>
<td>1,773.1</td>
<td>823.7</td>
<td>916.5</td>
</tr>
</tbody>
</table>

Note:

a. Comprehensive utilization volume includes the volume in the past; treatment volume includes the storage capacity in the past.

b. Comprehensive utilization rate of industrial solid waste=comprehensive utilization volume of industrial solid waste / (generation volume of industrial solid waste +
c. Treatment rate of hazardous waste= (comprehensive utilization volume of hazardous waste+ treatment volume)/ (generation volume of hazardous waste+ comprehensive utilization of storage volume in the past+ treatment volume of the storage in the past).
Source: Ministry of Environmental Protection of the People’s Republic of China

(2) The discarded situation of industrial solid waste
In 2011, the industries with more than 500,000 tons of discarded general industrial solid waste were coal mining and washing industry, non-ferrous metal mining industry and ferrous metal mining industry. The discarded volume of general industrial solid waste of the three industrials accounted for 71% of the total industrial volume.

Fig.12 The Discarded Situation of General Industrial Solid waste

Source: Ministry of Environmental Protection of the People’s Republic of China

(3) The generation and utilization of industrial hazardous waste.
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