

## Technical Information Sheet

<b>1. Name of technology</b>	Landfill volume reduction technology (NAWSICA method)
<b>2. Type of technology</b>	<ul style="list-style-type: none"> <li>Landfill volume reduction technology</li> <li>Static compaction</li> <li>Volume reduction technology using static compaction at final disposal sites</li> </ul>
<b>3. Description of technology</b>	
Objective, application, characteristics, delivery record, and price of technology	<p><b>[Objective and application of the technology]</b> This technology is used to extend the life of existing final disposal sites because it is hard to secure space for new final disposal sites or it is used to stabilize decommissioned final disposal sites faster than normal for effective utilization of the land.</p> <p><b>[Characteristics of the technology]</b></p> <ol style="list-style-type: none"> <li>Static compaction does not affect structures such as shield sheets.</li> <li>The machines are electrically driven, generating little vibration or noise.</li> <li>The high-torque drive unit makes the system able to be used with bulky waste.</li> <li>No special material is required for waste compaction, causing no pollution.</li> </ol> <p><b>[Specifications]</b> Type: A 1,000-mm-diameter three-point auger is used to bore holes. Treatment capacity: 100 tons per day Waste properties, etc.: Compacted state Other information regarding this method: Compressors are used if a spring is found. Preliminary survey and test construction are required.</p> <p><b>[Delivery record]</b> Kuriyama-cho, Hokkaido (June 2008): Volume reduction of 6,000 m<sup>3</sup> in 3 months, (average: 1.09 m<sup>3</sup>)</p> <p><b>[Price and other inquiries]</b> Approx. 73,500,000 yen per 10,000 m<sup>3</sup></p>
<b>4. Classification of technology</b>	
(1) Applicable fields	Industrial waste treatment, Survey, Other environment protection technology
(2) Target waste	Paper/cardboard, Waste plastic, Plastic bottles, Glass bottles, Steel cans, Aluminum cans, Styrene foam, Construction waste, Electric home appliances, Fluorescent tubes, Electronic products, Cellular phones, Automobiles, Dry cell/lead batteries, Waste tires, Waste oil, Other
(3) Services provided	Technical cooperation/licensing, Consulting, Survey/data processing
<b>5. Countries to which this technology can be provided</b>	Korea, China, Taiwan
<b>6. Keywords</b>	Volume reduction for final disposal sites, NAWSICA method
<b>7. Contact information</b>	<p>Kankyo-Engineering Co., Ltd. Sales representative: Yoshida, 011-741-3670 E-mail: <a href="mailto:t-yoshida@kankyou-eng.co.jp">t-yoshida@kankyou-eng.co.jp</a> URL: <a href="http://www.kankyou-eng.co.jp">http://www.kankyou-eng.co.jp</a></p>