Site Report Information

Headquarters: Shin-Yokohama Business Center Bldg. 10F, 3-2-6 Shin-Yokohama, Kohoku-ku Yokohama, Kanagawa, Japan
Site Area: 787.84m², Floor Tenancy (9F & 10F)
Established: Oct, 2007
Employees: 38 (Mar 31, 2012)

Numazu Operations:
Site Area: 11,809.7m², Building Area: 7,637m²
Established: Aug, 2008
Employees: 291 (Mar 31, 2012)

Yokohama Operations:
Site Area: 19,965m², Building Area: 9,790m²
(Green ratio: 21.35%)
Established: Mar, 2007
Employees: 89 (Mar 31, 2012)

Principal Products:
- Electron Beam Mask Writer
- Mask Inspection System
- Epitaxial Reactor

Message from Environmental Protection Officer

We, NuFlare Technology, Inc., have engaged in the development, manufacture and sale of the electron beam mask writers, mask inspection systems, and epitaxial growth systems which are necessary for the downscaling and sophistication of semiconductor devices. We will make further efforts in the future to provide top value and contributions to social development through our semiconductor production systems.

Environmental Protection Officer
Fumiaki Shigemitsu, President

Product Lineup

EB Mask Writer  Mask Inspection System  Epitaxial Reactor

Environmental Management System

Toshiba Corporation Semiconductor & Storage Products Company Group acquired the integrated ISO 14001 certification in Sep, 2009, including NFT.

ISO14001 approval certification No. EC98J2014
(Toshiba Corporation Semiconductor & Storage Products Company Group)
Environmental Policy

Statement of Environmental Philosophy of NuFlare Technology, Inc.

Vision
Recognizing Toshiba Group's Basic Policy for the Environment that the Earth is an irreplaceable asset and it is humankind's duty to hand it on to future generations in a sound state, Toshiba Semiconductor & Storage Products Company Group is pursuing creation of new values and symbiosis with the Earth. Also Toshiba Semiconductor & Storage Products Company Group contributes to the development of a sustainable society by promoting environmental activities designed to contribute to the realization of a world that is low-carbon, recycling-based and nature-harmonious.

Policy
NuFlare Technology considers environmental stewardship to be one of management's primary responsibilities, and promotes environmental activities proactively to reduce the environmental impact in the development and production of semiconductor manufacturing systems in harmony with economic activities. NuFlare Technology strives to take the environment into consideration in its business activities such as distribution, sales, services, and disposal, and aims to contribute to society by supplying products that consider environmental impact, and by realizing energy saving and reduction of resource usage in semiconductor devices which are produced by its manufacturing systems.

1. Compliance and sustainability
   1) NuFlare Technology complies with all applicable laws and regulations, industry guidelines it has endorsed, and its own standards concerning the environment.
   2) NuFlare Technology strives to continuously improve and effectively apply its environmental management system and environmental activities through internal audits and reviews.

2. Execution
NuFlare Technology strives to assess the environmental impact of its business activities including with regard to biodiversity which comprehend development, procurement, manufacturing, sales, recycling and services, set objectives and targets with respect to the reduction of environmental impact and pollution prevention, and execute proactive environmental measures including the following;
   1) Striving to create and supply products and services that consider environmental impact through the development of energy-saving and resource-saving designs, and by the restriction of the amounts and types of chemical substances contained in products.
   2) Promoting reduction of our contribution to global warming by implementing productivity improvements, reducing our emission of greenhouse gases, implementing energy-saving technologies for power systems and facilities.
   3) Contributing to a recycling-based society through efforts to promote 3R (reduce, reuse, recycle) measures proactively along with improving productivity, and promoting efficient utilization of natural resources by implementing measures aiming to reduce resources and waste generation.
   4) Promoting risk reduction on environmental issues by appropriately management of chemical substances.
   5) In order to preserve biodiversity, NuFlare Technology strives to assess and mitigate the environmental impact of its business activities on biodiversity and seeks to make a better contribution to society.
   6) Facilitating mutual understanding with stakeholders by disclosing information through public relations, exhibitions, and mass-media regarding products and technologies from the environmental viewpoint, and collaborating with local communities and society at large.
   7) Striving to enhance the awareness of employees with respect to environmental management, and considering the environment in business activities and processes throughout NuFlare Technology, Inc.

NuFlare Technology discloses this Statement of Environmental Philosophy to the public, promotes awareness of this Statement of Environmental Philosophy throughout NuFlare Technology, and promotes its business activities according to this Statement.

1 Apr, 2012

[Signature]
Fumiaki Shigemitsu
Environmental Protection Officer, President
### Major Environmental Activities in 2011

#### Topics in FY2011 (All sites of NFT\(^1\))

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Indicator</th>
<th>Target</th>
<th>Result/Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development and Provision of ECPs(^2)</td>
<td>Ratio of ECPs to Net Sales</td>
<td>100%</td>
<td>100% Achieved</td>
</tr>
<tr>
<td>Prevention of Global Warming</td>
<td>Reduction of Energy Consumption Rate(^3) (FY2009 based)</td>
<td>≤51%</td>
<td>54.1% Not Achieved</td>
</tr>
<tr>
<td></td>
<td>Reduction of CO(_2) Emission (FY2009 based)</td>
<td>≤92%</td>
<td>93.6% Not Achieved</td>
</tr>
<tr>
<td>Efficient Use of Resources</td>
<td>Reduction of Industrial Waste</td>
<td>200kg/year Reduction</td>
<td>400kg+ α Reduction Achieved</td>
</tr>
<tr>
<td>Reduction of Environmental Risk</td>
<td>Score on Environmental Audit System in Toshiba</td>
<td>System: ≥95%  Field: ≥97%</td>
<td>System: 94%  Field: 97% Not Achieved</td>
</tr>
<tr>
<td>Social Activities and Environmental Communication</td>
<td>Promote and Encouragement of Social Activities</td>
<td>Plan Implementation</td>
<td>Done</td>
</tr>
<tr>
<td>Raising of Environmental Awareness</td>
<td>Educational Activities on Environment Protection</td>
<td>Plan Implementation</td>
<td>Done</td>
</tr>
</tbody>
</table>

\(^1\) NFT is short for NuFlare Technology, Inc.
\(^2\) ECP: Environmentally Conscious Product
\(^3\) Energy usage per production

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### Development of ECP

- NFT promotes development/improvement of ECPs.
- The chart shows the history of EBM series from environmental factors. (Electricity usage comparison under same patterning condition)

### Environmental Communication

**Local Societies**: Neighboring Clean-Up Volunteers (Numazu, biannually),
Neighboring Clean-Up Volunteers (Yokohama, monthly),
Mt. Fuji Tree-Planting Ceremony (Hosted by Mt. Fuji National Trust, Every spring), etc.

**Governments**: Lights-Out Campaign, etc.
**Environmental Impact - Input and Output -**

**- Input (Energy)**

* NFT uses various chemicals for testing and demonstrations. We managed the chemicals from procurement to disposal. And we also promote to reduce usage of chemicals by introduction of new facilities and optimized operation.

**- Output (Waste)**

**- Output (Chemical Waste)**

*NFT uses various chemicals for testing and demonstrations. We managed the chemicals from procurement to disposal. And we also promote to reduce usage of chemicals by introduction of new facilities and optimized operation.*
Compliance

- **Air Pollution**
  There are no certain facilities of airborne emissions including small boilers and incinerators at any sites of NFT.

- **Water Pollution**
  Chemical waste (including oil) is collected and transferred to a waste management firm. And NFT performs the contractor audit annually.
  Sanitary wastewater is processed in wastewater treatment systems (water-purifier tanks), and the treatment systems are managed under the related laws and regulations.

- **Noise and Vibration**
  We perform noise and vibration level management under laws and regulations with Toshiba Machine Co., ltd. at Numazu operations.
  Yokohama operations is exempt from laws and regulations.
  (Only self-assessment/measurements is performed.)

- **Environmental Issues**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Incidents</td>
<td>1 *</td>
</tr>
<tr>
<td>Problems Around Each Site</td>
<td>None</td>
</tr>
<tr>
<td>Administrative Directions</td>
<td>None</td>
</tr>
<tr>
<td>Complaints from Neighborhood</td>
<td>None</td>
</tr>
</tbody>
</table>

* Factory effluent pH exceeded wastewater criteria temporarily due to untreated sewage at Numazu plant in Nov 2011.
  There were no impacts on ambient environment, health and ecosystem.
  - We submitted the report to the regulatory agency.
  - We improved hardware and management system to prevent similar incidents.