



TABS-TPD Site Report Information

Address: : 901 N. Foster Street, Mitchell, SD 57301

Lot area: 101,170 m², Building area: 16,723 m², Green ratio: 65%

Establishment: October 6, 1986, Employees: TPD-95, TABS-5 (as of March 2018)

Major products: Toner Products

ISO 14001 certified: April, 1999, Latest update: March, 2018
(ISO 14001-2015 Certificate number: NSAI 14.8177)



Message from Environmental Preservation Chief

We will conduct our business operation in a manner which promotes respect for the environment and compliance with all applicable federal, state, local and international laws, regulations, or standards regarding protection of the environment.



Environmental Preservation Chief
William Nygard

Major environmental activities in 2017

CO2 Reductions: 13 projects for a reduction of 2267.87 mT-CO2

	<u>mT CO2</u>
1 Azo/Dosi Utilization	0.78
2 Bulk Packaging Give Away	16.5
3 Double Handadd	3.17
4 Recover BP Yellow Toner	5.1
5 Reclassified Out of Spec Toner	12.65
6 Screener Expansion	16.75
7 Blowing Away Money II	42
8 A/C Cooling Tower Chemical / Water Reduction	73
9 Utility Savings - Expidite Compressor Repair	99
10 Into Thin Air VI	355
11 Screener Expansion	4.92
12 HVAC Upgrade	370
13 Back Off Laval	1269

Waste Reductions: 10 projects for a reduction of 22.85 mT

	<u>mT Waste</u>
1 Broad Peak Functional Testing	2.54
2 Save a Screen	0.01
3 Double Handadd	0.50
4 Recover BP Yellow Toner	0.71
5 Fewer Steps, Less Grams	0.01
6 Reclaim McKinley	0.38
7 Test Cost Difference	15.86
8 Re-entry of Braodpeak Preblend Material	1.21
9 Too Hot to Use	1.46
10 Combined Waste	0.18

Development of products and environmental technologies, Environmental consideration point



Black Toner



Color Toner



Environmental Policy of the Toner Products Division of Toshiba America Business Solutions, Inc.

We, Toner Products Division (TPD) of Toshiba America Business Solutions, Inc., recognize that the Earth is an irreplaceable asset and that handing it down to future generations in a sound state is a duty for humankind.

Given Green Management, Greening of Products, Greening of Process and Sustainability as the important pillars of environmental management, TPD is actively contributing to the reduction of environmental impacts in our toner manufacturing business.

Green Management

1. TPD assesses the environmental impacts of its business activities, products and services on the environment, specifies and promotes objectives and targets with respect to the prevention of environmental pollution, use of sustainable resources, mitigation and response to climate change, and conservation of biodiversity.
2. TPD strives to continually improve environmental management through internal audits and reviews of activities.
3. TPD complies not only with laws and regulations applied in countries or regions all over the world, but also with industry guidelines, which it has endorsed, for environmental protection.
4. TPD provides environmental education, conducts educational campaigns, and expands each employee's environmental awareness to promote environmental activities.

Greening of Products

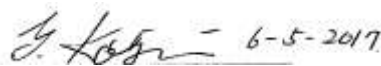
1. TPD pursues the highest level of environmental performance on our products.
2. TPD reduces environmental impacts throughout a life cycle through green procurement of environmentally conscious materials and parts, resource and energy conservation, and abolition of specified chemical substances, in order to provide environmentally conscious products.
3. TPD advances distribution of products and services, to contribute to the reduction of environmental impacts of the products or services when used by customers.
4. TPD contributes to the establishment of a recycling-based society.

Greening of Process

1. TPD strives toward resource, energy and water conservation, as well as correct control of chemical substances, for environmentally conscious production, marketing and servicing, allowing for regional situation.
2. TPD aims at realizing a low-carbon society by creating environmental conscience products and by improving the efficiency of logistics operations.

Sustainability

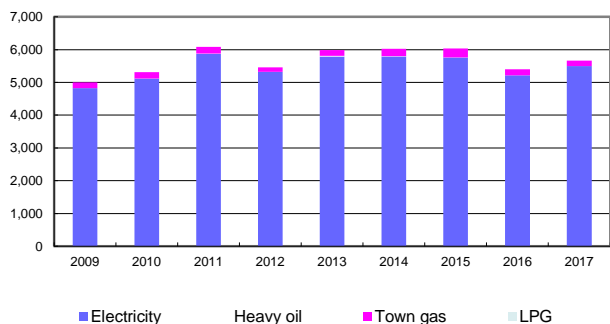
1. TPD contributes to a sustainable society through its environmental activities, which include the development and provision of outstanding environmental conscious technologies and products in cooperation with society at large and with local communities, and maximizes disclosure and transparency in communication with stakeholders and society at large.

 6-5-2017

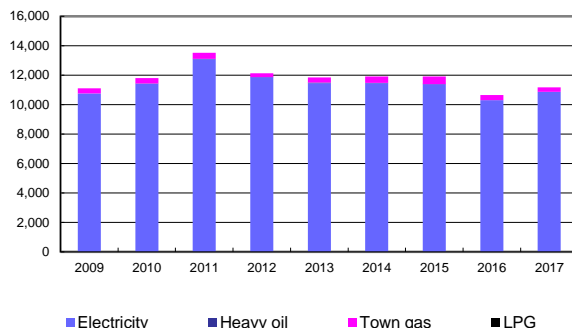
Yukio Koizumi
VP/General Manager

Environmental load data

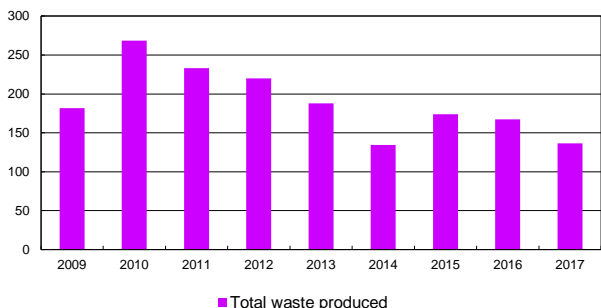
Energy usage (unit: KL)



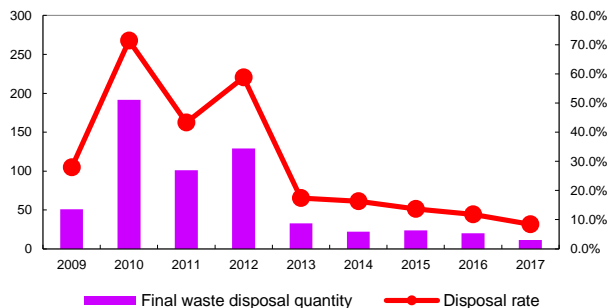
CO₂ emission (unit: ton-CO₂)



Total waste produced (unit: ton)

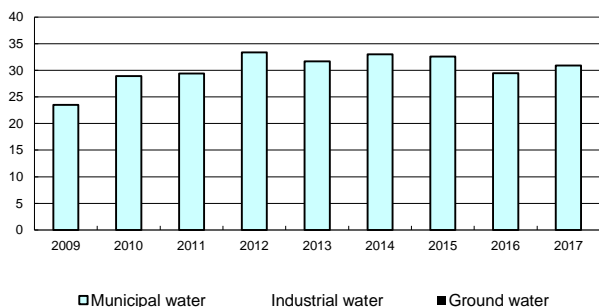


Final waste disposal quantity & disposal rate (unit: ton,%)

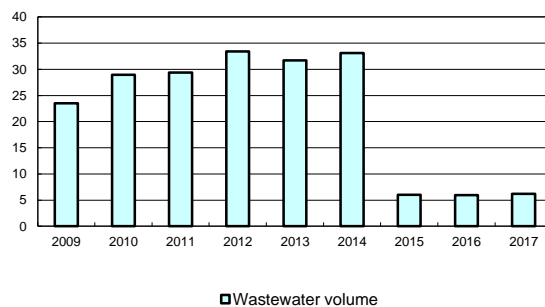


Major wastes: Sludge, metal, glass, plastic, oil, etc.

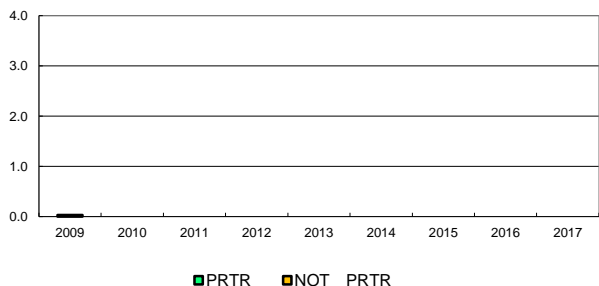
Water usage (unit: 1,000m³)



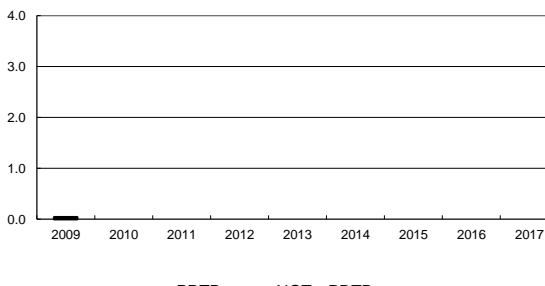
Wastewater volume (unit: 1,000m³)



Handing substances (unit: ton)



Substances volatilized and released to water (unit: ton)



Major chemical substances: Acetone

Compliance management

Atmospheric measurement results (boiler (city gas): 1 unit)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
NOx (ppm)	2.2	NA	Excluded as natural gas is used	NA
SOx (ppm)	3.0	NA	Excluded as natural gas is used	NA
Particulates (ppm)	0.6	NA	Excluded as natural gas is used	NA

Wastewater measurement results (major results) Wastewater is discharged to Local City Treatment Facility

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Arsenic (mg/l)	.17	.17	<.001/<.001	Annual
Cadmium (mg/l)	.08	.08	<.005/<.005	Annual
Chromium (mg/l)	2.83	2.83	<.03/<.03	Annual
Copper (mg/l)	2.85	2.85	.027/.049	Annual
Lead (mg/l)	.7	.7	<0.1/<0.1	Annual
Mercury (mg/l)	.0002	.0002	<.0002/<.0002	Annual
Nickel (mg/l)	1.56	1.56	<.02/<.02	Annual
Selenium (mg/l)	.11	.11	<.002/<.002	Annual
Silver (mg/l)	3.02	3.02	<.01/<.01	Annual
Zinc (mg/l)	5.46	5.46	.067/.12	Annual
Hex Chromium	.5	.5	<.001/<.001	Annual

Noise & Particulate exposure measurement results

	Location:	Regulation value	Self-control value	Actual measurement	Measurement frequency
Particulates	Inside Facility	15 mg/m3 total 5 mg/m3 respirable	10 mg/m3 total 3mg/m3 respirable	≤ 1.3 mg/m ³ total	Annual or as needed
Noise (dB)	Inside Facility	90 dBA 8 hr TWA	85 dBA 8 hr TWA	≤ 92.0 dBA	Annual or as needed

Environmental accidents, administrative advices and complaints

	State
Environmental accident	None
Environmental problem around the factory and in the local area	None
Administrative advice or direction	None
Complaint from neighboring residents	None

Environmental communication

Global Environmental Action 2018

Team members from Toshiba America Business Solutions, Inc./Toner Products Division planted various flower seeds in the (1 acre) pollinator plot on the north side of the TPD facility.

The purpose of the project was to increase the variety of flowering plants and to provide improved habitat to pollinators such as Monarch butterflies and honey bees. Populations of both species have seen a sharp decline in the last several years.

Pollinating insects are an essential component in global food production. Approximately one-third of all food and beverages are delivered by pollinators and domesticated honey bees.



Clean-up Activity by Lake Mitchell

During the summer months of FY2017 employees from TPD continued their efforts to cleanup and maintain one quarter mile of hiking trail along Lake Mitchell. We will continue this activity to raise the environmental awareness of employees.

- Date: Monthly from May through September
- Number of Employees Participated: 24
- Others: 40 kg of waste was collected



Conservation of Biodiversity

Biodiversity Initiative

TPD has adopted the monarch butterfly as our indicator species. During their annual migrations in the spring and fall, team members observe and count them as they pass by our facility.



Environmental targets

Item	Indicator	Target for FY2018
Global warming prevention	In the ratio of CO2 emissions relative to FY2013	24.2% reduction
Optimization of resources	In the ratio of total amount of waste generated to active mass relative to FY2013	29.4% reduction
Control of Chemical Substances	In the total emissions of chemical substances to air and water relative to FY2013	NA

Environmental objectives

Item	Indicator	Objective for FY2020
Global warming prevention	In the ratio of CO2 emissions relative to FY2013	22.3% reduction
Optimization of resources	In the ratio of total amount of waste generated to active mass relative to FY2013	27.8% reduction
Control of Chemical Substances	In the total emissions of chemical substances to air and water relative to FY2013	NA