

Biodiversity

TTW Public Company Limited and its subsidiaries (the “Company”) are committed to conducting business sustainably based on environmental responsibility. The Company emphasizes and promotes biodiversity and ecosystem conservation to preserve natural resources in their integrity for future generations. Accordingly, the Company has established the Biodiversity Policy to serve as a unified guideline, as follows:

1. Comply with laws and regulations related to biodiversity by avoiding operations in areas of ecological significance or areas at risk of biodiversity loss.
2. Conduct risk analysis and assessment of potential impacts arising from the Company’s business operations, including implementing control measures to prevent and mitigate direct and indirect negative impacts on biodiversity.
3. Promote awareness, understanding, and knowledge of biodiversity among executives, employees, and key stakeholders.
4. Encourage the use of modern and efficient innovations and technologies in business operations to protect the environment, ecosystems, and natural resources in a sustainable manner.
5. Foster participation both within and outside the organization among executives, employees, and key stakeholders by promoting activities that support biodiversity conservation.
6. Monitor and report progress on activities to preserve biodiversity.

The company employs a management system that includes avoidance, impact reduction, restoration, and compensation measures, covering adverse effects on biodiversity in all three aspects : water, soil, and air. Various projects and activities have been implemented to address biodiversity management as follows :

1. Water Environmental System

1.1 Designing a water supply system involves preventing and protecting against the intrusion of living organisms from the Tha Chin River into the production system. Additionally, the production process should efficiently reuse water by adhering to the principles of Water Discharge Minimization and controlling water losses in the production process (Production Loss). This includes pressing out water from sludge and reintroducing the recovered water into the production process, ensuring no water is discharged into natural water sources throughout the entire water production process.

1.2 Project to Restore the Water Quality of Bang Sue Canal for conserving the Tha Chin River, through collaboration between the community, government sector, and the company. The project aims to enhance

the water quality of Bang Sue Canal in the area of the Raikhing Raw Water Intake Station by installing equipment to improve the water quality of Bang Sue Canal before releasing it into the Tha Chin River.

1.3 Monitoring the outcomes of the "1 Million Seeding to Create Watershed Forests" Project to mitigate and compensate for the extraction of raw water from natural sources for tap water production. The project involves planting trees in the Thong Pha Phum National Park, Kanchanaburi Province, which serves as the watershed for the Mae Klong and Tha Chin Rivers.

2. Soil Environment System

2.1 Sludge Dewatering System Design : Designing a sludge dewatering system to remove water from sludge, achieving optimal dryness to facilitate the reduction and disposal of contaminants.

2.2 Research and Development Project on Sludge : Developing sludge into products such as eco-friendly bricks and decorative tiles to reduce the volume of sludge for disposal.

2.3 Composting Project : Creating compost from the automatic food waste disposal system at the main office to reduce the amount of food waste mixed with general waste, subsequently providing it to municipal waste management units. Additionally, the compost will be used for tree maintenance and soil enrichment to enhance soil quality.

2.4 Compost Fertilizer Conservation Project: Providing compost fertilizer to schools near the Bang Len water production plant. This involves mixing sludge with organic food scraps or biodegradable waste to create compost. The compost is then used to maintain trees within the school premises and improve soil quality.

2.5 Creating a Work Procedure Manual on "Handling Waste or Unused Materials" in accordance with the ISO 14001:2015 Environmental Management Standard, aiming to efficiently reduce the amount of pollutants and facilitate proper disposal.

3. Air Environmental System

3.1 Control of air pollution from the company's operations includes environmental quality checks, monitoring dust emissions from the exhaust stacks of backup power generators and inspecting the condition of vehicles belonging to contractors or external individuals entering or leaving the company's operational areas. This involves examining exhaust fumes and ensuring the readiness of various equipment.

3.2 Ensuring the monitoring of air pollutants generated from the operation of power generators, such as Total Suspended Particulates (**TSP**), Sulfur Dioxide (**SO2**), Nitrogen Dioxide (**NO2**), and Carbon Monoxide (**CO**), at Health & Enviteck Co., Ltd.

3.3 The project involves assessing greenhouse gas emissions from business processes, which have received Carbon Footprint Organization (CFO) certification from the Pollution Control Department (PCD).

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- 3.4 Setting goals to reduce greenhouse gas emissions from business processes.
 - 3.5 Implementing measures to reduce electricity consumption, which is a significant source of greenhouse gas emissions for the company.
 - 3.6 **Solar Rooftop** Project and **Floating Solar Cell** Project.