



Announcement of Rajamangala University of Technology Phra Nakhon Policy on Waste Management and Landfill Reduction

1. Rationale

In accordance with Rajamangala University of Technology Phra Nakhon's (RMUTP) mission to be a "Green University" and its commitment to achieving the Sustainable Development Goals (SDGs), the University recognizes that waste problems and disposal by landfill create significant environmental and community impacts. These include soil and water contamination and the release of methane, a potent greenhouse gas.

To maximize the efficiency of waste management within the University and to move towards the goal of "Zero Waste to Landfill," the University hereby establishes this policy and its practices to reduce the volume of waste sent to landfill, effective from the year 2024.

2. Policy Statements

Rajamangala University of Technology Phra Nakhon is committed to minimizing the amount of waste sent to landfill by strictly adhering to the Waste Hierarchy principle:

1. Reduce: Give the highest priority to preventing and reducing waste generation at the source.
2. Reuse: Promote the reuse of resources to their maximum potential.
3. Recycle: Encourage waste segregation to return materials to the manufacturing process.
4. Recovery: Utilize waste for other benefits, such as converting organic waste into compost or energy.
5. Disposal: Disposal by landfill is considered the last resort, only for waste that cannot be managed by any other means.

3. Target

The University sets a target to continuously reduce the amount of "General Waste" sent for landfill disposal, with annual monitoring and evaluation of waste volumes.

4. Process and Practices for Landfill Reduction

To achieve this policy, the University mandates the following practices:

4.1 Mandatory Source Segregation

- It is the duty of all personnel, students, and vendors within the University to dispose of waste in the correct, designated bins.
- "General Waste" (Landfill Waste): This is waste designated for landfill. It must only include items that are non-hazardous and non-recyclable (e.g., snack wrappers, used tissues, heavily food-contaminated containers).
- Recyclable Waste: (e.g., paper, clear plastics, glass, metals) Must be separated from general waste and sent to a recycler.
- Organic Waste: (e.g., food scraps, leaves) Must be separated for composting or animal feed. It is strictly prohibited to mix organic waste with general waste destined for landfill (as it is a primary source of methane).
- Hazardous Waste: (e.g., batteries, light bulbs, chemical containers) Must be separated and managed according to the University's "Policy on Hazardous Waste Management" (Must not be sent to landfill with general waste).

4.2 Source Reduction

- Promote the "Green Procurement" policy by selecting environmentally friendly products with minimal or recyclable packaging.
- Campaign and support the use of reusable products among personnel and students (e.g., personal coffee cups, refillable water bottles, cloth bags).
- Advance the "Paperless Office" policy.

4.3 Vendor Management

- All vendors and shop operators within the University must strictly comply with this policy.
- The use of non-biodegradable food containers (e.g., foam) is prohibited. Vendors must support the use of biodegradable containers or customers' personal containers.

4.4 Management and Monitoring

- The University's central administration (e.g., Office of Physical Plant and Environment) is responsible for providing sufficient and clearly labeled segregation bins.
- A Waste Audit and record-keeping system shall be established to measure the volume of each waste type and track the policy's success.

5. Enforcement

This policy is effective and mandatory for all departments, personnel, students, and vendors within the premises of Rajamangala University of Technology Phra Nakhon. Announced for general acknowledgment and compliance.

Announced on 24th October 2024