

12.2.4 Policy waste disposal - landfill policy

1. MCUT establishes the relevant procedures based on the Ministry of Environment's Waste Disposal Act and in the context of the ISO 14001 management system

明志廢棄物處理政策依據政府環境部《廢棄物清理法》並結合 ISO-14001 管理系統制定

 Article Content Title: Waste Disposal Act Amended Date: 2017-06-14 Category: Ministry of Environment (環境部) Chapter 1 General Principles Article 1 This Act is formulated for the effective clearance and disposal of waste, improvement of environmental sanitation and maintenance of public health. The regulations of other laws shall apply to those matters not regulated by this Act. Article 2 For the purpose of this Act, "waste" means any movable solid or liquid substance or object: I. Which is discarded; II. Whose original purpose is weakened, given up, no longer existing, or unclear; III. Which is resulted from construction, manufacturing, processing, repairing, selling, or other activities, and is not deliberately created; IV. Which is resulted from production process, with no feasible technology existing, and is of no economic or market value; V. Which is announced as "waste" by central competent authority. The waste referred to in the preceding paragraph is divided into "general waste" and "industrial waste". I. General waste refers to waste that is not industrial waste. II. Industrial waste refers to waste that is produced from industry activities (not excluding waste generated by the employee themselves), including "hazardous industrial waste" and "general industrial waste". A. Hazardous industrial waste: waste produced by industry that is toxic or dangerous with the concentration or volume sufficient to influence human health or pollute the environment. B. General industrial waste: waste produced by industry that is not hazardous industrial waste. The central competent authority in consultation with the central industry competent authority shall enact determination standards for the hazardous industrial waste referred to in the preceding paragraph. The disposal of ionizing radioactive waste shall be performed in accordance with the relevant atomic energy regulations. The industry referred to in Paragraph 2 means agricultural, industrial and mining plants and sites, construction enterprises, medical organizations, public and private waste clearance and disposal organizations, joint industrial waste clearance and disposal organizations, laboratories of schools or agency groups and other enterprises designated by the central competent authority.	illegally or causing pollution. Article 3 "Designated clearance area" as referred to in this Act means a clearance area officially announced and designated by the enforcement authority based on environmental sanitation needs. Article 4 "Competent authority" as referred to in this Act means the Environmental Protection Administration, Executive Yuan, at the central government level, the municipal government in special municipalities and the county or city government in counties or cities. Article 5 "Enforcement authority" as referred to in this Act means the environmental protection bureau of a special municipality government, the environmental protection bureau of a county or city government and the public office of a rural township, urban township or city. The enforcement authority shall establish dedicated units for the performance of recycling, clearance, disposal and waste investigation work for general waste. The enforcement authority shall be responsible for the planning of land to be used for the recycling, clearance and disposal of general waste, and shall coordinate with and grant preference to the relevant agencies for the acquisition of the land. The recycling, clearance and disposal of general waste shall be performed by the environmental protection bureau of the special municipality government in special municipalities and by the environmental protection bureau of the provincial city in provincial cities. In counties, the recycling and clearance of general waste shall be performed by the public office of a rural township, urban township or city and the disposal of general waste shall be performed by the environmental protection bureau of the county; when necessary, the county may commission the public office of a rural township, urban township or city to perform disposal work. The environmental protection bureaus of counties shall complete the adjustment of general waste work pursuant to the foregoing regulations prior to July 14, 2004, and shall be in centralized management of said work. The central competent authority shall determine the general waste recycling items in Paragraph 2. However, special municipality, county and city competent authorities may add other general waste recycling items based on special requirements within their jurisdiction areas, and the added items shall be submitted to the central competent authority for future reference. Article 6 When the competent authority or industry competent authority plans the establishment of waste disposal facilities pursuant to the regulations of this Act, for those circumstances in which the land to be used involves modifications to urban planning, the competent authority or industry competent authority shall coordinate with the urban planning competent authority and perform the modifications pursuant to Article 27 of the Urban Planning Law; for those circumstances in which the land involves modifications to the use of non-urban land, modifications and rezoning shall be carried out in accordance with the law after approval of the acquisition of the land through appropriation or allocation. Land for which rezoning as a waste disposal zone has been completed and that is public land may be allocated, or leased or sold to the founder, and shall not be subject to the restrictions of Article 25 of the Land Act. Article 7 For the joint establishment of waste disposal sites and performance of waste clearance and disposal work, special municipality, county or city competent authorities may draft establishment management regulations, and, after receiving central competent authority approval, may establish a regional joint clearance and disposal unit. Article 8 When existing waste storage, recycling, clearance or disposal facilities are caused to have insufficient power due to natural disaster, major accident or other urgent matters and there is concern of polluting the environment or influencing human health, the central competent authority shall cooperate with the central industry competent authority and relevant agencies and, after receiving Executive Yuan approval, may designate emergency waste disposal methods,
 CERTIFICATE The Certification Body of TÜV SÜD Asia Pacific TÜV SÜD Group certifies that 明志科技大學 MING CHI UNIVERSITY OF TECHNOLOGY Ming Chi University of Technology No.64, Gongzhuan Rd., Taishan Dist., 243303 New Taipei City, Taiwan, R.O.C. has established and applies an Environmental Management System for Development and Application of Teaching, Education and Research in University of Technology An audit was performed, Report No. 718841883. Proof has been furnished that the requirements according to ISO 14001:2015 are fulfilled. The certificate is valid from 2024-04-26 until 2027-04-25. Certificate Registration No.: TUV104 02 5052 2024-04-26 TÜV SÜD Group Ltd. • TÜV SÜD, Test- und Zertifizierungsgesellschaft mbH • TÜV SÜD Group	環境系統認證 系統認證 1. 資源運用，減少廢棄物產生，促進資源永續利用，並協助大專院校建立適當環境管理機制，自96年度起便展開大專院校，本校於2011年榮獲ISO 14001環境管理系統認證學校，並持續維護ISO 14001環境管理系統。 2. ISO 14001環境管理系統，依據ISO14001環境管理系統之條文要求，執行環境管理系統之概述性文件，藉由定期審查及稽核系統及環境績效的進一步改善，並持續推動ISO 14001環境管理系統，建置有ISO14001文件及實施環境考量面識別、目標管理系統之運作，依系統方針以計劃(PLAN)、執行(DO)、檢查(CHECK)和改善(ACTION)的動態循環模式而設計，使環境管理體系外部稽核驗證結果，符合ISO14001系統規定並通過認證。 ISO-14001環境管理系統認證證書  CERTIFICATE The Certification Body of TÜV SÜD Management Service Group certifies that 明志科技大學 MING CHI UNIVERSITY OF TECHNOLOGY Ming Chi University of Technology No.64, Gongzhuan Rd., Taishan Dist., New Taipei City Taiwan Post Code: 243303 has established and applies an Environmental Management System for Development and Application of Teaching, Education and Research in University of Technology An audit was performed, Order No. 718841883. Proof has been furnished that the requirements according to ISO 14001:2015 are fulfilled. The certificate is valid from 2024-04-26 until 2027-04-25. Certificate Registration No.: T2 504 0549 1765 TÜV SÜD Group Ltd. • TÜV SÜD, Test- und Zertifizierungsgesellschaft mbH • TÜV SÜD Group

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2. On-campus general waste is divided into recyclable waste and rubbish. The removal and disposal of recyclables is entrusted to an outsourcing contractor approved by the competent authorities. Their types and weights are handled in accordance with the “Procedures for Management and Reward and Punishment of Proceeds from Resource Recovery and Disposal.” The rubbish is removed by an operator approved by the government and transported to the government’s incineration plant for incineration and burial.

統計資收物的種類與重量，依《資源回收變賣所得管理與獎懲辦法》進行處理

明志科技大學 Ming Chi University of Technology 資源回收變賣所得管理與獎懲辦法 Regulations for Resources Recycling Sale Revenue Management and Reward and Punishment 制定部門：明志科技大學總務處 中華民國 111 年 06 月 14 日 修訂 Formulating department: Office of General Affairs Revised on June 14, 2022 資源回收變賣所得管理與獎懲辦法 Regulations for Resources Recycling Sale Revenue Management and Reward and Punishment	規章編號 Regulations No. A050260001 資源回收變賣所得管理與獎懲辦法 Regulations for Resources Recycling Sale Revenue Management and Reward and Punishment 111.06.14 安全衛生暨毒性及關注化學物質運作管理委員會議修訂 2022.06.14 Revised by the Safety, Health and Toxicity and Chemical Substances of Concern Operation Management Committee Meeting 第一條 為鼓勵本校全體教職員工生，主動積極配合校園環境保護與資源 回收系列政策，提高自治精神與服務能力，以培養勤勞樸實 之優良校風，依本校資源回收辦法第十六條規定，訂定「資 源回收變賣所得管理與獎懲辦法」(以下簡稱本辦法)。 Article 1 By Article 16 of the school's Regulations for Resources Recycling, the Regulations for Resources Recycling Sale Revenue Management and Reward and Punishment (hereinafter referred to as "the Regulations") have been formulated. These Regulations aim to encourage all faculty, staff, and students to actively engage with campus environmental protection and resource recycling policies, promote autonomy and service capabilities, and foster a school spirit of hard work and simplicity. 第二條 經費來源為本校每月產生資源回收物品變賣之所得，總務處應 將上月轉賣所得費用，全數繳交出納並轉存入資源回收專 戶，並專帳專用於資源回收有關項目之用途。 Article 2 The source of funds comes from the monthly proceeds generated by the sale of the school's recycled materials. The Office of General Affairs is responsible for remitting all proceeds from the previous month's resale to the cashier, who will then transfer the funds to the designated resource recycling account. This special account is exclusively for use in projects related to resource recycling. 第三條 適用對象：本校全體教職員工生及管理單位。 Article 3 Applicable objects: All faculty, staff, students and management units of the school. 資源回收變賣所得管理與獎懲辦法 Regulations for Resources Recycling Sale Revenue Management and Reward and Punishment
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3. To reduce the total amount of waste, MCUT organizes second-hand bazaars to encourage the reuse of goods

校方並推動二手市集，以鼓勵物品再利用

本校持續推動校園二手市集活動，2024 年 5 月 22 日至 6 月 28 日於綜合大樓 2 樓內中庭、學生第一二宿舍(販賣部前)、第五宿舍地下室，活動開放現場捐贈及領取二手物品及宣導垃圾減量，2024 年二手物品共有 550 件，較 2023 年 477 件增加 73 件。



圖 1、二手市集募集場地



圖 2、二手市集捐贈物品



圖 3、二手市集募集場地

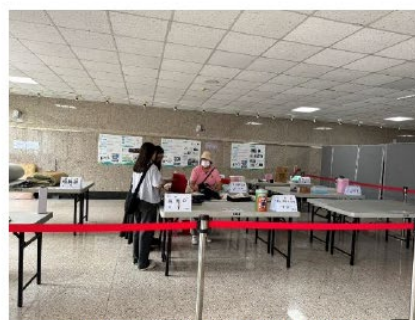


圖 4、二手市集募集場地

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4. In 2024, non-recyclable waste incinerated totaled 222 metric tons, recyclable waste (including batteries) totaled 77.66 metric tons, and second-hand goods totaled 550 pcs

不可回收廢棄物則委由政府核可的廠商清運至市政府所屬垃圾焚化場進行焚化處理，2024 年，垃圾焚化量 222 公噸，資源回收量（含電池）77.66 公噸，二手物品 550 件

事業廢棄物清除合約書

適用公司	財團法人明志科技大學
適用地區	泰山
外包工作名稱	明志科大生活廢棄物清除處理外包承攬
外包編號	1147052 00
清除廠商	金安環保科技有限公司
合約期限	1100901 至 1130831

明志科技大學生活廢棄物清除處理外包承攬合約書附註

承攬人需配合事項

- 每星期一至星期六上午 8 時前，將教學大樓、機械館、學一舍、學五舍 等 4 座垃圾場清理完成，並將垃圾場內外清掃乾淨保持無異味。
- 本合約屬包月制，但每次於入校前及出校後清運廢棄物均須先至校方指定地磅進行過磅，未按合約規定每日罰扣 3,000 元。
- 學生畢業及寒暑假學生離校期間，須配合提供足夠垃圾車子車放置於學舍旁，並安排每日清理(不另計費用)。
- 大型廢棄物需配合校園環境整理於通知後三日內清運，承攬商未配合清運時，本校得洽同類廠商清運，如超出發包單價之費用則由原承攬商酬金中扣除。
- 企運會當天須另增派垃圾車駐校至活動結束，以配合垃圾收集(費用另計)。

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1
ESG Edition

2
Sustainable MCUT

3
Institutional Governance

4
Low-carbon Campus

5
Happy Campus

6
Social Co-prosperity


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 MING CHI UNIVERSITY OF TECHNOLOGY
 2024 Sustainability Report

4.4 Waste Management

To ensure effective waste recycling, MCUT has implemented measures to manage, reward, and penalize the income from resource recycling and sales. These measures aim to encourage faculty, students, recycling and waste disposal vendors, and cleaning teams in New Taipei City to actively promote mandatory waste classification, waste reduction, and resource recycling. This effort will help achieve a sustainable circulation of resources. The primary waste sources at MCUT are general waste and laboratory waste. To effectively manage and maintain campus safety, MCUT has installed an environmental management system along with pollution prevention and control facilities in accordance with relevant environmental protection laws and regulations. This is designed to monitor the operation and volume of laboratory waste liquids and to prevent accidents or pollution.

General Waste Management

We employ two primary methods to ensure effective waste treatment: incineration and resource recycling. MCUT collaborates with contracted vendors to regularly clear and transport waste to incineration plants in New Taipei City for non-recyclable waste, ensuring safe and environmentally friendly disposal. For recyclable materials, our cleaning staffs first classify them and then use dedicated recycling vehicles to transport these materials to the resource recycling center for sale. To further enhance the benefits of waste recycling, the Office of General Affairs uses income from resource recycling to purchase recycling facilities and reward classes that excel in classroom cleaning competitions. These competitions not only encourage students to actively participate in resource recycling but also contribute to the ongoing improvement of the campus environment.

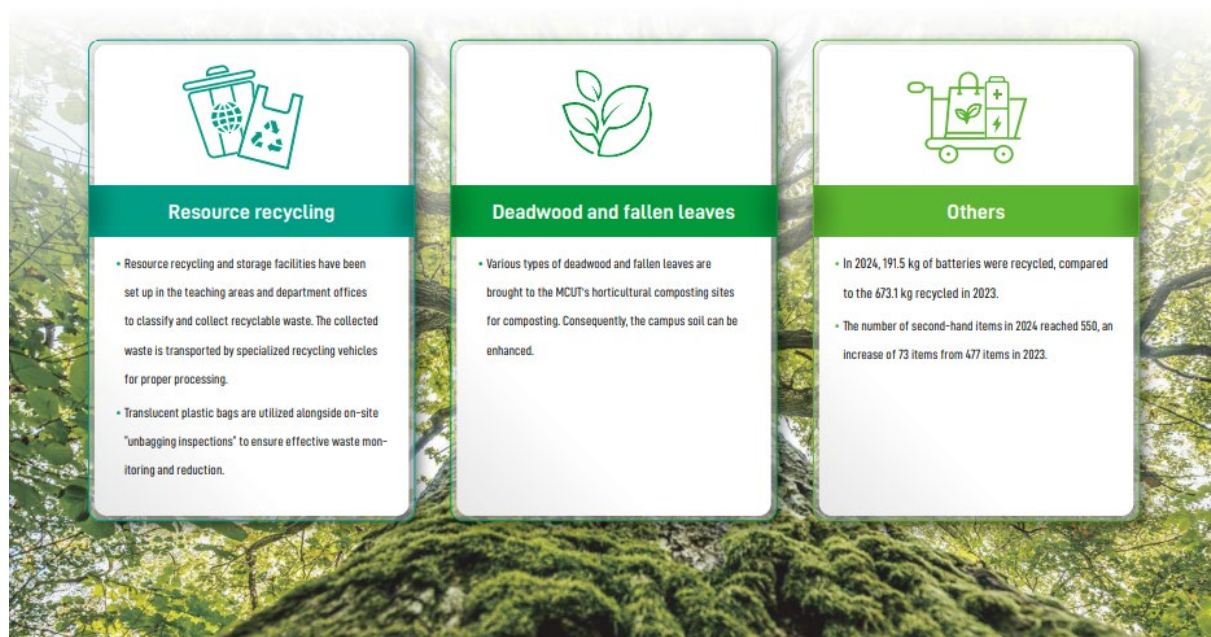
Starting in 2022, we began intensively recycling used batteries to reclaim valuable resources and reduce the risk of fire or explosion. This effort is vital to prevent hazardous incidents that may arise when waste batteries are mistakenly mixed with general refuse and placed in garbage trucks, where they can be compressed, squeezed, or create friction.

Statistics of general waste disposal over the past three years

Unit: tons

Disposal method	2022	2023	2024
Incineration	310.1	317.2	287
Resource recycling			
Waste paper (including paper containers)	65.2	55.4	47.5
Scrap metal	5.15	4.31	20.1
Waste PET bottles	6.42	7.73	9.81
Others (including batteries)	9.7	1.79	0.25

Statistics of general waste disposal over the past three years



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