

環保報告 Environmental Report 2025



政 府 化 驗 所
Government Laboratory

香港特別行政區政府
The Government of the Hong Kong
Special Administrative Region



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報告摘要 Executive Summary

政府化驗所提供廣泛的分析、調查和諮詢服務，為政府決策局及部門在法治、食品安全、公眾衛生、環境保護和消費者權益等各方面的工作，提供支援。

由於政府化驗所的核心服務涉及化學品的使用 and 不同儀器的操作，為履行維護環境的責任，我們在化學品處理及廢物處置等方面，均制定了妥善的程序，以防止污染。此外，為配合政府節能減碳的環保政策，政府化驗所積極推行節能減廢的措施。

自 1998 年起，政府化驗所根據 ISO 14001 標準建立了一套環境管理系統，以維持高水準的環境績效，支持我們檢測服務的可持續發展。

本報告總結了化驗所在 2025 年裡的環境管理績效，反映我們多方面所作出的努力。一如既往，我們會繼續秉承精益求精的專業態度，積極探索改善機遇，優化日常運作及實驗室設施，進一步提升環境績效。

政府化驗師
張子俊博士
二零二六年九月

The Government Laboratory (GL) provides a wide range of analytical, investigatory and advisory services, offering support to enable government bureaux and departments to meet their responsibilities for law and order, food safety, public health, environmental protection, consumer protection and the implementation of government policies.

As the core services of the GL involve the use of chemicals and the operation of various types of instruments, we have established proper procedures for chemical handling and waste disposal to prevent pollution, in order to fulfill our environmental obligations. Furthermore, to align with the Government's environmental policy on energy conservation and carbon reduction, the GL is actively engaged in implementing energy saving and waste reduction initiatives.

Since 1998, the GL has established an environmental management system (EMS) in accordance with ISO 14001 standard to maintain a high standard of environmental performance that supports the sustainable development of our testing services.

This report provides an overview of the GL's environmental management performance in 2025, reflecting our efforts in various aspects. As always, we will uphold our professionalism and commitment to excellence, actively seek opportunities for improvement, and strengthen our daily operations and laboratory facilities to further enhance our environmental performance.

Dr. CHEUNG Tsz-chun
Government Chemist
September 2026

主要職責概述

Profile of Key Responsibility

政府化驗所由政府化驗師領導，為政府決策局及部門提供廣泛而公正及可靠的法證、分析和諮詢服務。

為了保障公眾健康及保障消費者，政府化驗所恆常地為食物、藥物、中藥及商品等進行檢測。同時，我們亦提供有關環境保護的檢測及諮詢服務，以支持香港特區的可持續發展。此外，政府化驗所提供必要的法證服務，以支持香港特區的刑事司法制度。

截至 2025 年 12 月，政府化驗所的員工編制共 507 人，由 27 個專職組別負責提供服務。政府化驗所的組織圖及實驗室地點詳見後兩頁。

The GL, headed by the Government Chemist, offers a comprehensive range of impartial and reliable forensic, analytical and advisory services to various government bureaux and departments.

To safeguard public health and ensure consumer protection, the GL provides analytical and advisory services for surveillance programmes on food, drugs, Chinese medicines and commodities, etc.. We also provide testing and advisory services related to environmental protection to support the sustainable development of Hong Kong Special Administrative Region (HKSAR). In addition, the GL provides essential forensic science services to support the criminal justice system in HKSAR.

As at December 2025, the GL had a staff establishment of 507. Services were provided by 27 specialist Sections. The organisation chart and the locations of the GL's laboratories are shown on the next two pages.



組織圖 Organisation Chart

...



實驗室地點 Laboratory Locations ...

九龍石硤尾
公共衛生檢測中心
Public Health
Laboratory Centre
Shek Kip Mei, Kowloon



九龍荔枝角
荔枝角政府合署
Lai Chi Kok
Government Offices
Lai Chi Kok, Kowloon



香港薄扶林
食物安全檢測所
Food Safety Laboratory
Pok Fu Lam, Hong Kong



九龍何文田
何文田政府合署
Ho Man Tin Government Offices
Ho Man Tin, Kowloon



九龍長沙灣實驗室
Laboratory at Cheung Sha Wan, Kowloon



新界沙田
香港科學園
Hong Kong Science Park
Sha Tin, New Territories



九龍何文田
京士柏氣象站
King's Park
Meteorological Station
Ho Man Tin, Kowloon



九龍九龍灣
工務中央試驗所大樓
Public Works Central
Laboratory Building
Kowloon Bay, Kowloon

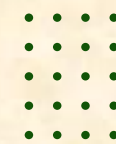


環保政策

Environmental Policy

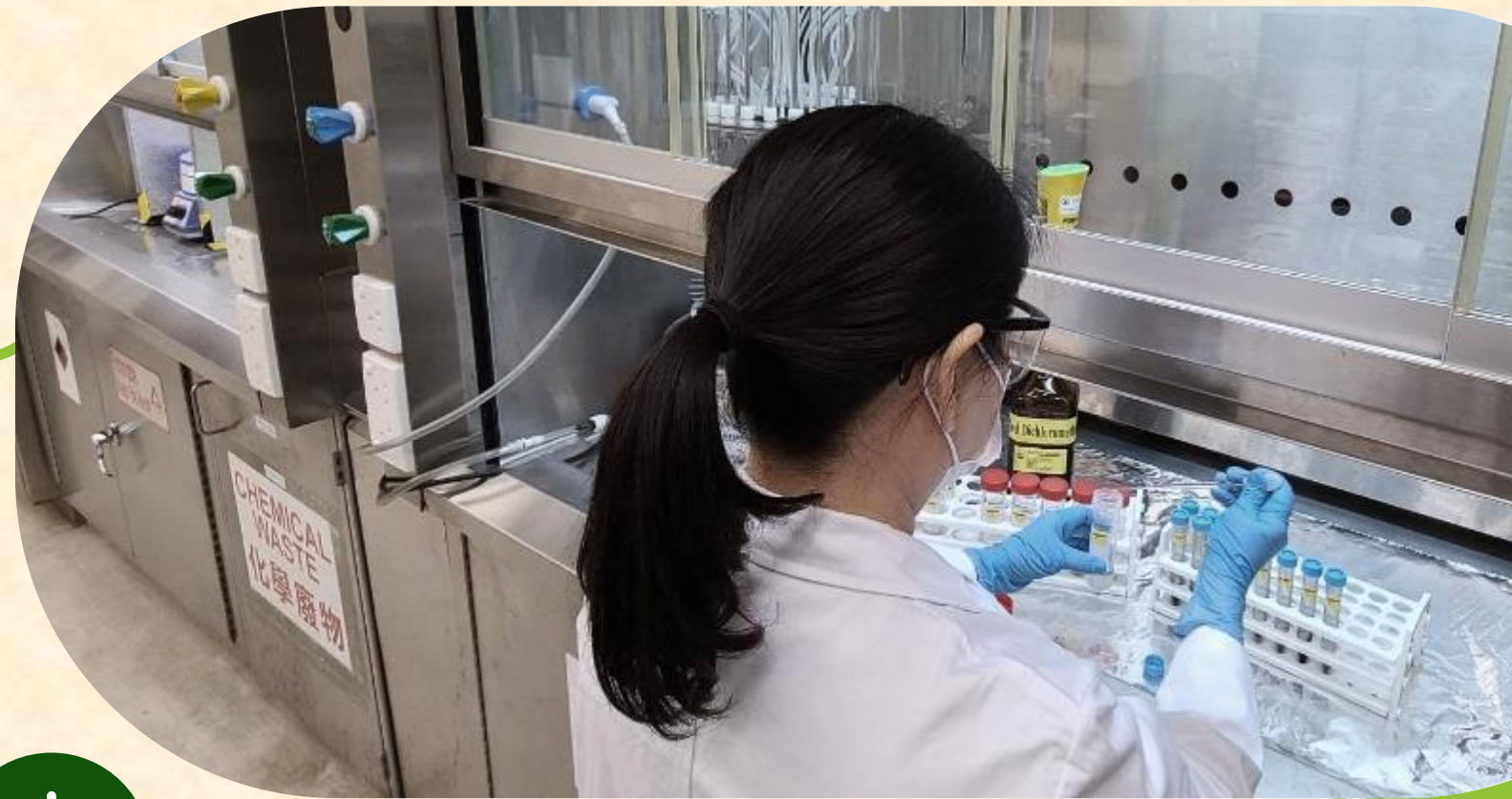
政府化驗所承諾，致力執行有效的環保管理系統，作為日常工作的一個重要部分。我們的政策是確保政府化驗所的工作程序和設施均符合環保要求。具體而言，我們會遵從後兩頁所列的六大環保政策的原則：

The GL is committed to implementing an effective environmental management system as an important part of our daily work. Our policy is to ensure that the GL's operating procedures and facilities comply with the environmental requirements. Specifically, we adhere to the six principles of our environmental policy listed on the next two pages:



環保政策

Environmental Policy



(a) 防止污染

政府化驗所在提供服務的過程中，致力遏制釋放污染物，並減輕其對環境的有害影響。

(a) Prevent Pollution

We strive to prevent the release of pollutants that the Laboratory may cause during service delivery, and to mitigate their detrimental effects to the environment.



(b) 保護資源

我們提倡綠色採購和管理，遵照“減少、重用、再造、及替代”原則，採取所有切實可行的措施節約能源，以及減少耗損淨水、物料和自然資源。

(b) Preserve Resources

We promote green procurement and management, and take all practicable measures to conserve energy, water, materials and natural resources by adopting the principle of “reduce, reuse, recycle and replace”.



(c) 履行合規義務

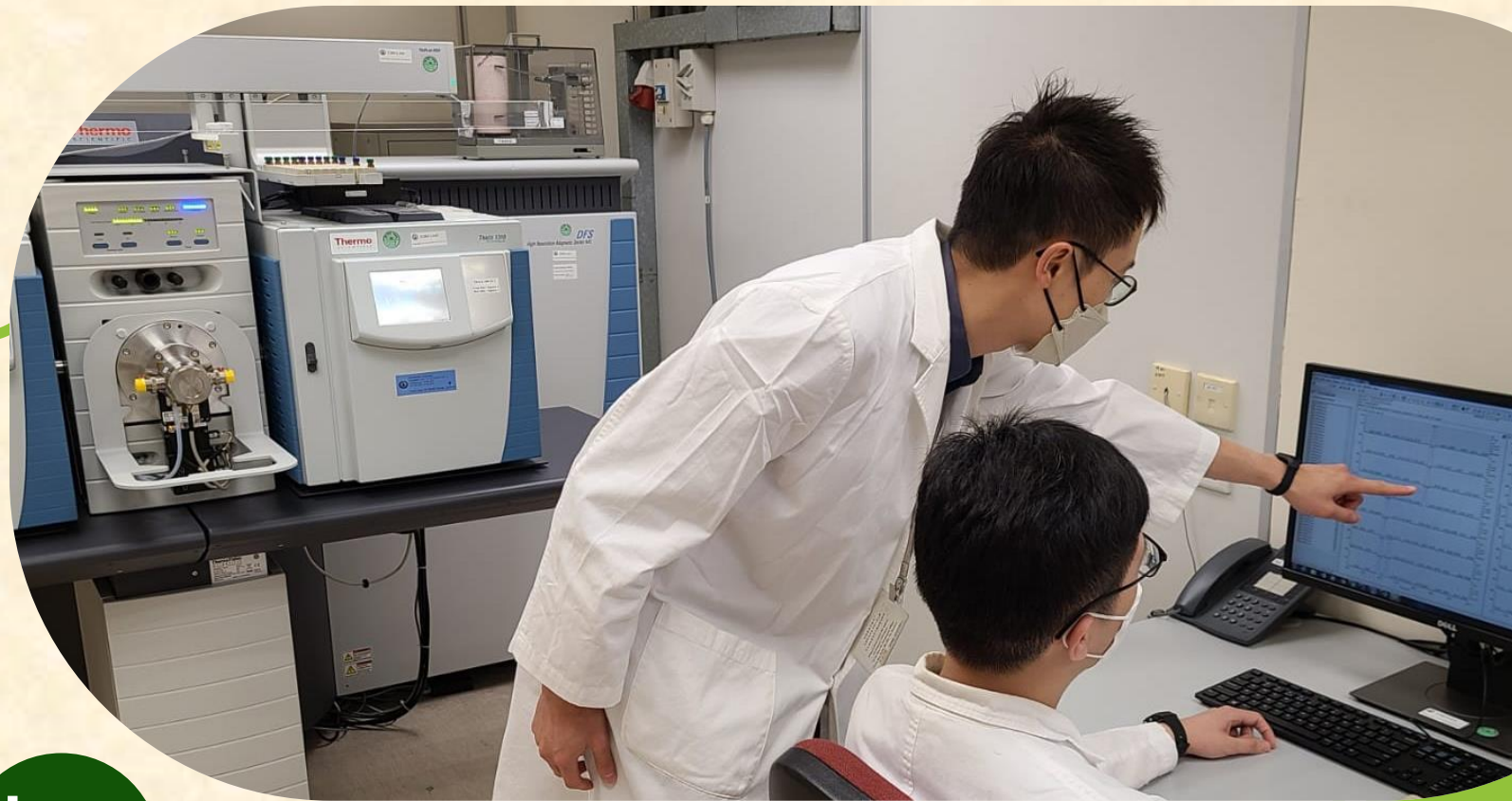
我們確保運作過程完全符合相關的環保法例及其他適用要求。

(c) Fulfil Compliance Obligations

We fulfil the obligations to comply with all relevant regulatory and other applicable requirements on environmental performance in our operation.

環保政策

Environmental Policy



(d) 加強溝通和意識

- 我們透過發布年度報告匯報我們的環境表現，以提高對公眾的透明度；
- 我們定期向所有員工提供培訓及發放指引，培養綠色文化和增強員工的環保意識。

(d) Enhance Communication and Awareness

- We facilitate transparency to the public through annual reporting of our environmental performance;
- We foster green culture and staff awareness through providing regular training and guidelines to all staff.



(e) 支持可持續發展

我們致力透過可持續方式提供優質的化驗服務，並在追求科技進步時，竭力降低對環境的影響。

(e) Support Sustainable Development

We are committed to providing quality laboratory services in a sustainable manner with due consideration for minimising environmental impacts while achieving technology advancement.



(f) 追求持續改進

我們決意持續不斷改進，全方位追求環境表現的提升。

(f) Promote Continual Improvement

We are determined to seek continual improvement to enhance our environmental performance on all fronts.

環境管理系統

Environmental Management System

員工責任

政府化驗所轄下的環境、安全及保安委員會負責制定及推行環保政策和指引，並監察我們的環保表現。委員會由一位首長級人員領導，成員包括政府化驗師委派的人員及各職級員工代表，定期商討環境管理的工作。

各組主管及部門主任秘書均獲委派為「環境、安全及保安督察」，負責監督屬下員工工作時遵守環保政策、指引及措施。

另外，分析及諮詢事務部轄下的環境管理系統工作小組由環境經理領導及各組別的代表組成，負責協助環境經理，監察不同組別（包括環境化學A組、環境化學B組、殘留組、微量元素化驗組、外判管理組、品質管理組及策略性發展組）所推行的環境管理系統。此外，工作小組亦會支援各組別為擴展 ISO 14001 認證範圍作準備。

Staff Responsibility

The Laboratory Environment, Safety and Security Committee (LESSC) is responsible for formulating our environmental policy and guidelines, and for monitoring our environmental performance. The LESSC is chaired by a directorate-grade officer and comprised of officers appointed by the Government Chemist and staff representatives at different ranks. It meets regularly to discuss EMS-related matters.

Section Heads and the Departmental Secretary are designated as the Environment, Safety and Security Inspectors, who are responsible for supervising their staff to work under the established environmental policy, guidelines and measures.

Moreover, the Environmental Management System Working Group (EMSWG) under the Analytical & Advisory Services Division, is led by the Environmental Manager (EM) and comprises representatives from various Sections. The EMSWG assists the EM in overseeing the EMS implemented by different Sections, including Environmental Chemistry A (ECA) Section, Environmental Chemistry B (ECB) Section, Residues (RE) Section, Trace Elements (TE) Section, Outsourcing Management (OM) Section, Quality Management (QM) Section and Strategic Development (SD) Section. In addition, the EMSWG also provides support to Sections in preparing for the extension of ISO 14001 certification scope.

環境管理系統

Environmental Management System

教育及培訓

所有新聘用的員工均須參加入職培訓，認識一般實驗室安全措施及政府化驗所的環境管理系統。此外，政府化驗所亦定期舉行緊急事故處理的培訓及演習，當中包括氣樽泄漏事件及抽風櫃故障事件，預防環境污染。在 2025 年，我們共舉辦了 37 次環境突發事故演習。

另外，我們舉辦了一節EMS培訓課，讓同事們對化驗所的環境管理系統和其根據 ISO 14001 標準制訂的操作程序，以及政府的綠色政策，有更深入的認識。此外，我們還為負責環境管理系統內部審計的同事安排了一節審計培訓課。

Education and Training

All newly recruited staff are required to attend an induction training to learn about general laboratory safety practices and the GL's EMS. Furthermore, the GL regularly organises training and drills on topics related to environmental emergencies, including the gas leakage from gas cylinder and the breakdown of fume cupboard, to prevent environmental pollution. In 2025, a total of 37 drill sessions were conducted.

Besides, we organised an EMS Introduction Training to enable colleagues to gain a deeper understanding of the GL's EMS and its operating procedures according to ISO 14001 standard, as well as the Government's green policy. In addition, we arranged an Auditor Training for colleagues responsible for internal audits of the EMS.

環境管理系統

Environmental Management System

環境管理系統監測及評審

為了評估政府化驗所的環境績效及表明我們履行合規的義務，化驗所實施年度環境監測計劃，為已獲 ISO 14001 認證的組別所排放的污水與廢氣，檢測其污染物含量。2025 年的環境監測計劃已經順利完成，當中所有監測數據均符合相關法例規定。

在 2025 年 11 月至 12 月，化驗所亦進行了該年度的環境管理系統內部審核。結果顯示，化驗所的環境管理系統運作良好，能有效達致環境政策的各項目標。

此外，香港品質保證局於 2026 年 1 月為化驗所的環境管理系統進行再認證審核，並確認化驗所的環境管理系統及有關運作程序持續符合 ISO 14001 標準的要求，而環境化學A組、環境化學B組、微量元素化驗組、殘留組、外判管理組、品質管理組和策略性發展組均能維持原有認證。

Environmental Monitoring and Audits

To evaluate the GL's environmental performance, and to demonstrate our compliance obligations, the GL implements a yearly environmental monitoring programme to test the levels of pollutants in the effluent and air discharge produced from the Sections that have obtained ISO 14001 certification. The environmental monitoring programme for 2025 was completed, and all monitoring results complied with the relevant statutory requirements.

In November - December 2025, the GL also conducted the annual internal audit. The results of the internal audit showed that the EMS adopted in the GL had been well implemented and had achieved the objectives of the environmental policy effectively.

Moreover, the Hong Kong Quality Assurance Agency conducted an renewal audit in January 2026. The audit team concluded that the GL's environmental management system and relevant operating procedures continued to fulfil the requirements of ISO 14001 standard. The ECA Section, ECB Section, TE Section, RE Section, OM Section, QM Section and SD Section all maintained their certification.



碳管理 Carbon Management

大部份設有政府化驗所實驗室的建築物均與其他政府部門共用，並由有關的管理辦事處或政府產業署管理。而位於香港島薄扶林域多利道 800 號的食物安全檢測所，則由政府化驗所獨立管理。目前，檢測所設有殘留組，負責檢測食品中的獸藥殘留和農藥殘留。

政府化驗所根據由環境保護署及機電工程署聯合出版的「香港建築物（商業、住宅或公共用途）的溫室氣體排放及減除的核算和報告指引」為食物安全檢測所進行碳審計評估，結果顯示檢測所在 2024-25 財政年度的溫室氣體排放量為 1,096 公噸二氧化碳當量¹，相比 2023-24 財政年度，減少大約 9 %。

政府承諾與社會緊密合作，共同致力減少溫室氣體的排放，以達成減碳目標。在未來日子，政府化驗所會繼續尋求並採取有效可行的環保措施，減少碳排放。

Most premises housing the laboratories of the GL are shared with other government departments and are managed by the respective building management office or the Government Property Agency. On the other hand, the Food Safety Laboratory (FSL) located at 800 Victoria Road, Pokfulam in Hong Kong Island is solely managed by the GL. Currently, the FSL houses the Residues Section which is responsible for testing residues of veterinary drugs and pesticides in food.

The GL conducted a carbon audit for the FSL in accordance with the “Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purpose) in Hong Kong” jointly published by the Environmental Protection Department (EPD) and the Electrical and Mechanical Services Department (EMSD). The audit results indicated that the amount of greenhouse gas (GHG) emissions in the fiscal year 2024-25 was 1,096 tonnes of CO₂-equivalent,¹ which was around 9 % reduction compared to that in the fiscal year 2023-24.

It is the commitment of the Government to work closely with the community to reduce GHG emissions in order to achieve the decarbonisation targets. In the future, the GL will continue to explore and adopt effective and practicable green measures to reduce carbon emissions.

¹ 溫室氣體排放量是使用環境及生態局提供的碳審計範本（版本2.9）計算出來。

¹ The amount of greenhouse gas (GHG) emissions was calculated using the Excel template for Carbon Audit (Version 2.9) provided by Environment and Ecology Bureau.



節能綠建 Energy Saving and Green Buildings

政府在《2019年施政報告》制定了一個五年「綠色能源目標」，期望在2020-21至2024-25年間，以2018-19年為基準年，在運作環境相若的基礎上，能達致6%的「綠色能源目標」。為響應政府節約用電的政策，食物安全檢測所完成了三項能源管理機會項目，結果顯示2024-25財政年度內的用電量，相對2018-19基準年的水平減少了7.4%，超額達成了「綠色能源目標」。

食物安全檢測所完成了一項改善工程，將T8及T5熒光燈更換成發光二極管，有助降低能源消耗，估算每年可減少約23,800千瓦時的用電量，相比起舊的照明系統，能節省約39%的用電量。政府化驗所將繼續探討更多節能方案，以達到既定的目標。

The Government formulated a five-year “Green Energy Target” in the 2019 Policy Address, aiming to achieve a 6% reduction in electricity consumption from 2020-21 to 2024-25, using 2018-19 as the baseline under comparable operating conditions. To support the Government’s policy on electricity saving, the FSL completed three Energy Management Opportunities projects. The electricity consumption of the FSL in the fiscal year 2024-25 was reduced by 7.4 % compared with that of the baseline year in 2018-19, successfully surpassing the “Green Energy Target”.

The FSL has completed an improvement project to replace T8 and T5 fluorescent lamps with light-emitting diode (LED) lighting, which helps to reduce energy consumption and is estimated to save approximately 23,800 kWh of electricity per year. Compared to the old lighting system, the new one can save about 39% of the electricity consumption. The GL will continue to explore more energy-saving measures to achieve the established target.



資源使用

Resource Consumption

政府化驗所環境安全及保安小組不僅制訂環保指引，更不時提醒員工遵守相關指引和守則。就此，我們按時監察信封、紙張和電力的耗用量，作為年度環保成效的指標。

政府化驗所在不斷為客戶部門擴展化驗服務的情況下，各項資源的耗用量大致保持平穩，反映化驗所透過營運優化，有效提升資源使用效率。我們會繼續透過運用科技，盡可能減少耗用資源。

The LESSC not only formulates environmental guidelines but also regularly reminds staff to comply with the relevant guidelines and rules. In this regard, the consumption of envelopes, paper and electricity was monitored as the indicators of annual environmental performance.

Despite the continuous expansion of analytical services for client departments, the GL has maintained overall resource consumption at a relatively stable level. This reflects that, through operational optimisation, the GL has effectively improved its resource consumption efficiency. We will continue to minimise resource consumption as far as practicable through the application of technology.

年度環保成效指標
Annual Environmental Performance Indicators

	2021	2022	2023	2024	2025
信封 (個) Envelope (No.)	4,244	3,380	4,103	3,725	2,855
電力* (10 ³ kWh) Electricity* (10 ³ kWh)	2,690	2,570	2,351	2,565	2,408
紙張 (公斤) Paper (kg)	6,965	7,894	7,742	6,189	7,716

*政府化驗所總部 (9,560 平方米) 的用電量

*Electrical consumption of the Government Laboratory Headquarters (9,560 m²)

廢物減量

Waste Reduction

在現行的環境管理系統下，政府化驗所實施有效的廢物管理，定期監測日常運作所產生的污水與廢氣，確保其污染物含量符合有關法例規定。此外，所有員工必須接受培訓，並定期予以提醒需按照既定的環境指引妥善處理各種廢物。

政府化驗所產生的化學廢物全部由專責機構收集和處理。在 2025 年，ISO 14001 認證組別所產生的總化學廢物量為 8,900 升，整體維持於相對穩定水平，當中有機會因應突發事件或科研項目而出現輕微波動。我們會繼續透過提升檢測方法的環境績效，務求減少化學廢物的產生量。

Under the existing EMS, the GL implements effective waste management by regularly monitoring the levels of pollutants in the effluent and air discharge generated from daily operations to ensure compliance with relevant regulatory limits. Moreover, all staff members receive training and are regularly reminded to dispose of various types of wastes properly in accordance with the established environmental guidelines.

All chemical waste generated by the GL is collected and treated by authorised agents. The total amount of chemical waste generated by Sections that have obtained ISO 14001 Certification in 2025 was 8,900 L, remaining generally stable. Minor fluctuations might occur due to occasional incidents or ongoing research projects. The GL will continue to reduce the generation of chemical waste by enhancing the environmental performance of our testing methods.

ISO 14001 認證組別所產生的化學廢物量
Amounts of Chemical Wastes Generated by Sections
that have obtained ISO 14001 Certification

	2021	2022	2023	2024	2025
酸性化學廢物 (升) Acidic Waste (L)	4,859	4,137	4,077	4,351	4,926
鹼性化學廢物 (升) Alkali Waste (L)	202	64	52	35	16
鹵化有機化學廢物 (升) Halogenated Waste (L)	1,573	1,482	1,534	1,495	1,414
非鹵化有機化學廢物 (升) Non-Halogenated Waste (L)	2,247	2,526	2,966	2,698	2,544
總量 (升) Total (L)	8,881	8,209	8,629	8,579	8,900

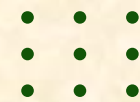
室內空氣質素 Indoor Air Quality



政府化驗所一向致力在多方面改善工作環境的質素。目前，我們有六個實驗室處所參與「室內空氣質素認證計劃」，包括何文田政府合署的政府化驗所總部、荔枝角政府合署、食物安全檢測所、工務中央試驗所大樓、香港科學園及公共衛生檢測中心，並均獲得「卓越級」或「良好級」的認證。

The GL has always been committed to improving the quality of the working environment in various aspects. Currently, six of our laboratory premises participate in the Indoor Air Quality Certification Scheme, including the Headquarters at the Ho Man Tin Government Offices, Lai Chi Kok Government Offices, FSL, Public Works Central Laboratory Building, Hong Kong Science Park and Public Health Laboratory Centre. All have been awarded “Excellent” or “Good” Class certification.





環境管理改善措施 Initiatives on Environmental Improvement

繼策略性發展組於 2025 年 1 月成功取得 ISO 14001 認證後，政府化驗所現共有七個組別獲得 ISO 14001 認證，化驗所會透過持續優化資源，繼續逐步擴大認證範圍，以涵蓋其他組別。

政府化驗所繼續採用無紙化的環境管理系統，系統內的文件及記錄均為電子版本。另外，化驗所亦已推行電子檔案保管系統，藉此進一步減少用紙。

此外，政府化驗所根據政府的環境政策，繼續推廣切實可行的綠色採購。化驗所已加強資訊科技採購系統，鼓勵員工在選購列明的常用物品及服務時，採納相應的環保採購小貼士。

After the SD Section successfully obtained ISO 14001 certification in January 2025, the GL now has a total of seven Sections certified under ISO 14001. The GL will continue to optimise resources and progressively expand the certification scope to cover other Sections.

The GL continues to adopt a paper-free EMS, with all environmental documents and records maintained in electronic format. Furthermore, the GL has begun implementing the Electronic Recordkeeping System to further reduce paper usage.

In addition, in accordance with the Government's environmental policy, the GL will continue to promote practicable green procurement. The GL has enhanced the IT procurement system to encourage staff members to adopt corresponding green purchase tips while purchasing the enlisted common items and services.



展望 Way Forward

為致力提升環境績效，我們將持續審視其運作，以實現持續改進。各組別將繼續檢討其分析方法，精簡工作流程，並尋找非環境友善化學品的替代物，確保既定的環境指引和程序得以有效實施。同時，我們將繼續發掘和推行可行的節能減廢措施，以減少碳排放。

展望未來，為進一步提高政府化驗所的環境績效及配合未來發展，我們將努力優化現有資源的使用，逐步擴大環境認證範圍，以涵蓋整個部門。此外，由於新版 ISO 14001:2026 已於 2026 年 4 月發布，我們將展開為取得更新版本認證的準備工作。

To enhance environmental performance, we will continue to review our operations to achieve continuous improvement. All Sections will continue to examine their analytical methods, streamline workflows and seek alternatives to replacing non-environmental friendly chemicals to ensure that the established environmental guidelines and procedures are fully implemented. Meanwhile, we will continue to explore and implement practicable energy saving and waste reduction measures to reduce carbon emissions.

Looking ahead, to further improve the GL's environmental performance and cope with future development, we will strive to optimise the use of existing resources and progressively expand the scope of environmental certification to cover the entire department. Besides, since the new ISO 14001:2026 edition was released in April 2026, we will commence the preparatory work for obtaining certification under the updated version.



意見及查詢

Feedback and Enquiries



如對本報告有任何意見及查詢，請聯絡政府化驗所部門主任秘書。

Please direct all feedback and enquiries concerning this report to the Departmental Secretary of the GL.



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