香港電燈有限公司
The Hongkong Electric Co., Ltd.

港燈
HK Electric

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) ORDINANCE, CAP. 499

ENVIRONMENTAL PERMIT NO. EP-071/2000/D

LAMMA POWER STATION EXTENSION ENVIRONMENTAL MONITORING & AUDIT PROGRAMME AT CONSTRUCTION PHASE

Report Title	Lamma Power Station Extension – Waste Management Plan for Civil Superstructure Work of Unit L13
Date	25 April 2025
Certified by	(Mr. CHAN Hon Yeung, Environmental Team Leader)
Verified by	Mr. Y. W. Fung (AECOM Asia Company Limited, Independent Environmental Checker)

CHINA HARBOUR ENGINEERING CO., LTD.

Waste Management Plan

for

Contract No.: 24-83005

Lamma Power Station Extension Civil and Building Works for Unit 13

Hong Kong Electric Company

A-1	22/04/2025	For Construction		
Rev	Date	Status	Prepared By Contractor's Environmental Engineer	Approved By Contractor's Project Manager

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APPENDICES

REVISION HISTORY

Revision No.	Revision Date	Pages	Amendment
A-1	22 Apr 2025		Refer to RtoC

1 INTRODUCTION

The Waste Management Plan (WMP) has been developed in accordance with Particular Specification 35.5(1), for the Hong Kong Electric Company Contract namely Contract No.: 24-83005 and the Condition 2.7 of Environmental Permit (EP) (No.EP-071/2000/D). The project is to facilitate L13 Main Station Building (MSB) for the L13 gas turbine, steam turbine-generator and auxiliary equipment. It might covers gas receiving station and transmission system related works.

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1.1 Project Description

For the purpose of this Contract, the term "Works" shall mean the Permanent Works together with all the Temporary Works necessary for the construction, completion and maintenance of Works as listed in this section. The Works to be carried out under this Contract shall include, but not necessarily be limited to the following to cope with the tentative Unit L13 commissioning in early 2028:

(a) L13 Main Station Building (MSB) for the L13 gas turbine, steam turbine-generator and auxiliary equipment;
(b) Link bridge between L12 and L13 MSB and their associated alterations & additions (A&A) works;
(c) Foundations and substructures for various plants and equipment including but not limited to transformers, Transformer, Heat Recovery Steam Generator (HRSG), gas duct, tanks, pumps, racks, station toilet etc. for L13;
(d) L13 HRSG equipment room and its associated works;
(e) L13 HRSG lift shaft precast concrete panel mounting on steel frame and reinforced concrete (RC) roof slab and its associated works;
(f) Foundation and building works for gas facilities at Gas Receiving Station (GRS) including GRS equipment room;
(g) Building services works including electrical, fire services, mechanical ventilation and air conditioning (MVAC), lift, lifting appliance;
(h) Civil provision for L13 Circulating Water (C.W.) System including inlet and outlet culverts / pipes installation;
(i) Other cable trenches with draw pit; extension from existing cable trench and new cable trenches to connect existing cable trenches;
(j) L13 gas pipe support foundations and trenches;
(k) Demolition of Urea Plant Shelter;

(l) Plinths and pipe supports for LMX Light Oil Tank Farm;
(m) External works including roads, pavement, drains, trenches, pits, underground utilities, fire hydrant, light pole foundation, hoarding, paving, and its draw pits;
(n) Civil works for Ap Lei Chau Switching Station (APX) cable diversion;
(o) Civil works for station toilet;
(p) Modification works of Shunt Reactor Bay 7 & 8;
(q) Civil work of L13 Steel Flue Liner and its associated works on existing No.5 Chimney;
(r) Alterations and additions works at the existing 275kV Switching Station Phase II;
(s) Alterations and additions works at the existing No.5 C.W Intake and C.W. Pump Equipment Room No.5;
(t) Improvement works for the existing L11 C.W. Inlet Pipe at south of L11 Main Station Building;
(u) Improvement work to existing LMX Administration and Control Building; and
(v) Refurbishment work on existing workshop areas between Generation Maintenance Building and Training & Workshop Building

1.2 Purpose of the Plan

This Waste Management Plan (WMP) aims to describe the arrangements for avoidance, minimization, handling, reuse, recovery and recycling, storage, transportation, collection, treatment and disposal of different categories of waste to be generated from the construction activities of this project.

The main objectives of the WMP include:

- Providing reference to the waste management requirements, both statutory and non-statutory;
- Clarifying the responsibilities of each party on waste management and the personnel within the Contractor's management;
- Establishing the waste management procedures for avoidance, minimization, material reuse/recovery/recycling, collection, transportation, storage and disposal of wastes generated from the activities.

1.3 Environmental Management Policy

An Environmental Management Policy is established to demonstrate the Company's commitment in improving environmental performance. It aims to communicate China Harbour Engineering Company's mission, vision and beliefs towards the environment to the staff and provides a framework for guiding China Harbour Engineering Company's ongoing environmental improvement efforts.

The policy will be reviewed by relevant parties periodically and will be displayed on notice boards in languages suitable for the nationality for the workforce.

The Environmental Policy Statement, together with the Environmental Objectives and Targets, are listed below:

CHINA HARBOUR ENG. CO., LIMITED /
ZHEN HUA ENG. CO., LIMITED

Environmental Policy Statement

The core business of China Harbour Engineering Company Limited / Zhen Hua Engineering Company Limited is design, construction and maintenance of civil, marine, environmental, building and foundation engineering works, design, supply, installation of ventilation systems, fire services systems, plumbing and drainage systems, low voltage and extra low voltage electrical systems. It is the policy of the Company to ensure that all its activities are carried out in a manner that causes minimum adverse impact on the environment through the establishment and implementation of an environmental management system. We committed to: -

- Comply with all environmental legal, contractual and other requirements by understanding the needs and expectations of interested parties.
- Prevent pollution by providing sufficient resources for implementation of environmental nuisance control and waste management.
- Maintain a proper and good communication channel with the stakeholders so as to minimize the environmental nuisance on them.
- Reduce the production of construction waste ,minimize the consumption of natural resources and reduce carbon emission by careful planning and implementation and to consider the life cycle perspectives of the products or services by proper disposal or end of life treatment.
- Provide appropriate training to all staff including subcontractors' staff.
- Strive to achieve continual improvement and maintain the effectiveness through periodic review of the environmental management system , the environmental objectives and targets and management reviews.

Mr. So Sze Lung Lawrence (General Manager of Quality, Safety and Environmental Compliance Department) is appointed as Management Representative, responsible for the overall co-ordination and implementation of this policy. However, environmental protection is one of the prime responsibilities of every employee, all staff shall ensure that this policy is understood, implemented and maintained. This policy will be reviewed annually and whenever necessary.

環境保護政策

中國港灣工程有限責任公司/振華工程有限公司主要從事土木工程、海事工程、環保工程、樓宇和地基工程的設計、建造和保養、通風系統、消防系統、給排水系統、低壓電力和特低壓電力的系統的設計、物料供應和安裝。環境保護是本公司的基本政策之一，本公司通過建立和實施環境管理系統，致力減低施工時對環境產生的不良影響。為此，本公司承諾:

- 透過了解所有有關團體的需要及期望，達致遵守所有有關環境保護的法例、合約和其它與環保之有關要求。
- 提供充足資源實施環境及廢物管理方案，預防環境污染。
- 與所有持分者保持良好溝通從而將對他們於環境方面之影響減到最低。
- 透過仔細策畫和執行來減少建築廢物、耗用天然資源及減少碳排放，以及考慮所有製成品及服務之生命週期，作出適當的處理如棄置，重用或循環再做等。
- 提供適當訓練給所有員工包括分包商員工。
- 定期檢討環境管理系統、環境目標及指標和進行管理評審，力求持續改善公司的環保表現及確保環境管理體系能有效執行。

質量安全監督部總經理蘇仕龍先生被委任為管理者代表負責總體的統籌和履行本政策。然而，環境保護乃每一位員工的基本責任，所有員工必須瞭解本政策並貫徹執行。本政策會每年及在有需要時檢討。

Yang Lu 楊錄
Managing Director 董事總經理
1-4-2025

CHINA HARBOUR ENG. CO., LIMITED /
ZHEN HUA ENG. CO., LIMITED

Environmental Objectives and Targets

Item	Objective	Target
1	To comply with legal requirements	Zero Convictions Zero EPD Inspection Notice (Yellow/Pink Form)
2	To satisfy client's environmental requirements	Obtain a "satisfactory" or above ratings (environmental item) in the quarterly performance report for government project Obtain a "satisfactory" or above ratings (environmental item) in Customer Survey Form (OP16/F1) for private project
3	To prevent serious environmental incident	Zero Serious Environmental Incidents
4	To maintain an effective Environmental Management System	Audit the Environmental Management System not less than twice a year
5	Enhance environmental awareness of workers	All workers to receive environmental induction training

環境目標及指標

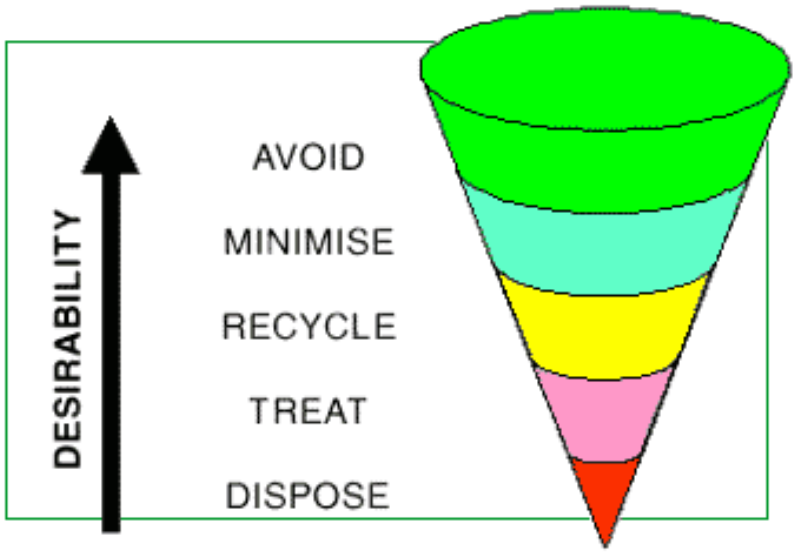
項目	目標	指標
1	奉公守法	零檢控 零環保署巡查紀錄(黃色/粉紅色表格)
2	滿足業主環保要求	在政府工程之季度表現報告中(環保項目)取得『滿意』或以上之級別 在私人工程之客戶調查報告中(環保項目)取得『滿意』或以上之級別
3	防止嚴重環境事故	零嚴重環境事故
4	確保環境管理系統有效執行	每年審核環境管理系統不少於兩次
5	加強工人環保意識	所有工人接受環保入職培訓

Yang Lu 楊錄
Managing Director 董事總經理
1-4-2025

1.4 The Waste Management Policy

To demonstrate the Project Team's commitment on the continual improvement of our waste management performance, an Environmental Management Policy includes the waste management has been established. It aims to communicate China Harbour Engineering Company's waste management mission, vision and beliefs to the staff and public, it also provides a framework in guiding the project team the basic requirements to be achieved in waste management.

The hierarchy is illustrated below. It attempts to evaluate waste management practices and selects the best practical option since conceptually it makes sense to avoid producing a waste rather than developing extensive treatment schemes. Good planning and site management practices also help minimizing over ordering or misuse of construction materials. The overall objective is to reduce and minimize the amount of wastes generated, hence reducing the costs of waste handling and disposal.



http://www.epd.gov.hk/epd/misc/cdm/management_intro.htm

1.5 Regulations and Guidelines

1.5.1 General

Various types of wastes would be generated during the course of the Project and each waste type requires different approach for management and disposal as stipulated in the waste legislation and guidelines. The relevant statutory and non-statutory requirements regarding waste management are summarized in the sections below.

1.5.2 Statutory Requirements

The following legislation relates to the handling, treatment and disposal of wastes in Hong Kong, and would be observed with regard to all wastes generated and requiring disposal, where applicable:

- The Waste Disposal Ordinance (Cap 354)
- The Waste Disposal (Chemical Waste) (General) Regulation (Cap 354C)
- The Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap 354N)
- The Land (Miscellaneous Provisions) Ordinance (Cap 28)
- The Dumping at Sea Ordinance (Cap 466)
- The Public Health and Municipal Services Ordinance (Cap 132) - Public Cleansing and Prevention of Nuisances (Urban Council) and (Regional Council) By-Laws
- Summary Offences Ordinance (Cap 228)
- Other relevant regulations

1.5.2.1 The Waste Disposal Ordinance (WDO)

The Waste Disposal Ordinance (WDO) prohibits the unauthorized disposal of waste. Construction waste is not directly defined in the WDO, but is considered to fall within the category of "trade waste." Under the WDO, wastes can only be disposed of at sites licensed by EPD.

1.5.2.2 The Waste Disposal (Chemical Waste) (General) Regulation

Under the Waste Disposal (Chemical Waste) (General) Regulation all producers of chemical wastes (including asbestos) must register with EPD and treat their wastes either utilizing on-site plant licensed by EPD, or arranging for a licensed collector to take the wastes to a licensed facility. The regulation also prescribes the storage facilities to be provided on site, including labeling and warning signs, and requires the preparation of written procedures and training to deal with emergencies such as spillages, leakages, or accidents arising from the storage of chemical wastes.

1.5.2.3 The Waste Disposal (Charges for Disposal of Construction Waste) Regulation

The current policy related to the dumping of C&D material is documented in the Works Branch Technical Circular No. 2/93, 'Public Dumps'. Construction and demolition materials that are wholly inert, namely public fill, should not be disposed of to landfill, but taken to public filling areas, which usually form part of reclamation schemes.

Under the WDO and the Charging Regulation, wastes can only be disposed of at designated waste disposal facilities licensed by EPD. For construction work with a value of more than HK$1M, the main contractor is required to establish a billing account at EPD before transporting the construction waste to the designated waste disposal facilities (e.g. landfill, public fill etc.). The vessels for delivering construction waste to public fill reception facility would need prior approval from EPD. Breach of these regulations can lead to a fine and/or imprisonment.

1.5.2.4 The Land (Miscellaneous Provisions) Ordinance

The Land (Miscellaneous Provisions) Ordinance requires that dumping licences be obtained by individuals or companies who deliver public fill to public filling areas. The Civil Engineering & Development Department (CEDD) issues the licences under delegated powers from the Director of Lands.

1.5.2.5 The Public Health and Municipal Services Ordinance (Cap 132) - Public Cleansing and Prevention of Nuisances (Urban Council) and (Regional Council) By-Laws

The Public Cleansing and Prevention of Nuisances By-Laws provide further controls on the illegal tipping of wastes on unauthorized (unlicensed) sites.

1.5.2.6 Related Licence and Permits

The Contractor would obtain all necessary permits and licenses under these ordinances including, but not limited to:

- Registration as a Chemical Waste Producer under the Waste Disposal Ordinance (Cap 354C);
- Public Dumping License under the Land (Miscellaneous Provisions) Ordinance (Cap 28);
- Registration as a Waste Producer under the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap 354N).
- Dumping at Sea Ordinance (Cap 466)

1.5.3 Non-statutory Requirements

The following guidelines related to waste management and disposal would be adhered to during construction of the Project:

- Waste Disposal Plan for Hong Kong (1989), Planning, Environmental and Lands Branch Government Secretariat;
- Environmental Guidelines for Planning in Hong Kong. Hong Kong Planning Standards and Guidelines (1990);
- New Disposal Arrangements for Construction Waste, EPD and CEDD (1992);
- Code of Practice on the Packaging, Labelling and storage of Chemical Wastes EPD (1992);
- Code of Practice on the Handling, Transportation and Disposal of Asbestos Waste, EPD;
- Works Bureau Technical Circular No. 12/2000, Fill Management, Works Bureau, HKSAR Government;
- Environment, Transport and Works Bureau Technical Circular (Works) No. 34/2002, Management of Dredged/Excavated Sediment, Environment, Transport and Works Bureau, HKSAR Government;
- Works Branch Technical Circular, 32/92, the Use of Tropical Hard Wood on Construction Site, Works Branch, Hong Kong Government;
- Works Branch Technical Circular No. 2/93, Public Dumps, Works Branch, Hong Kong Government;
- Works Branch Technical Circular No. 16/96, Wet Soil in Public Dumps, Works Branch, Hong Kong Government;
- Works Bureau Technical Circular NO. 4/98 and No.4/98A, Use of Public Fill in Reclamation and Earth Filling Projects, Works Bureau, HKSAR Government;
- Works Bureau Technical Circular No. 5/98, On-site sorting of Construction Waste on Demolition Site, Works Bureau, HKSAR Government;
- Project Administration Handbook for Civil Engineering Works (Chapter 4, Section 4.1.3), 2014 Edition. CEDD, HKSAR Government;
- Waste Reduction Framework Plan, 1998 to 2007, Planning, Environment and Lands Bureau, Government Secretariat, 5 November 1998;
- Works Bureau Technical Circular No. 6/2002 and 6/2002A, Enhanced Specification for Site Cleanliness and Tidiness, Works Bureau, HKSAR Government;
- Development Bureau Technical Circular (Works) No. 6/2010 Trip-ticket System for Disposal of Construction and Demolition Material. Development Bureau, HKSAR Government;
- Environment, Transport and Works Bureau Technical Circular (Works) No. 19/2005 Environmental Management on Construction Sites. Environment, Transport and Works Bureau, HKSAR Government;
- A Guide to the Registration of Chemical Waste Producers; and
- A Guide to the Chemical Waste Control Scheme.

2 SITE ORGANIZATION AND STAFF DUTIES

2.1 Organization Structure for site monitoring

The organization structure for waste management is outlined in Figure 2.1. This chart outlines the overall site management in relation to waste management and environmental issues. Details on the roles and responsibilities of staffs responsible for implementation of the waste management plan are outlined below.

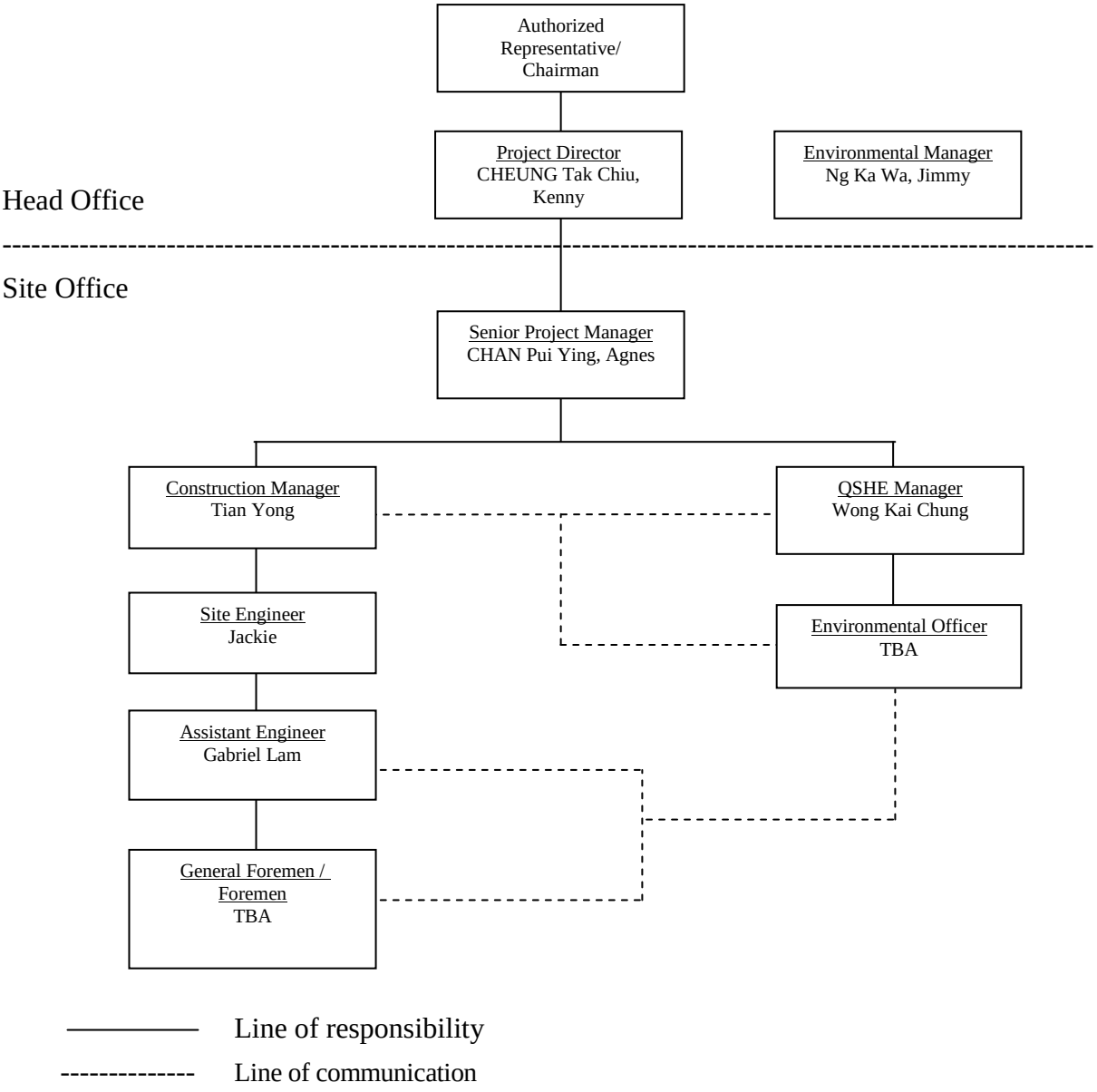


Figure 2.1: The Organizational Structure for Waste Management

2.2 Organizational Structure for EM&A program

In view of EM&A program, the organization of environmental monitoring & auditing programme at construction phase is listed as the following Figure 2.2

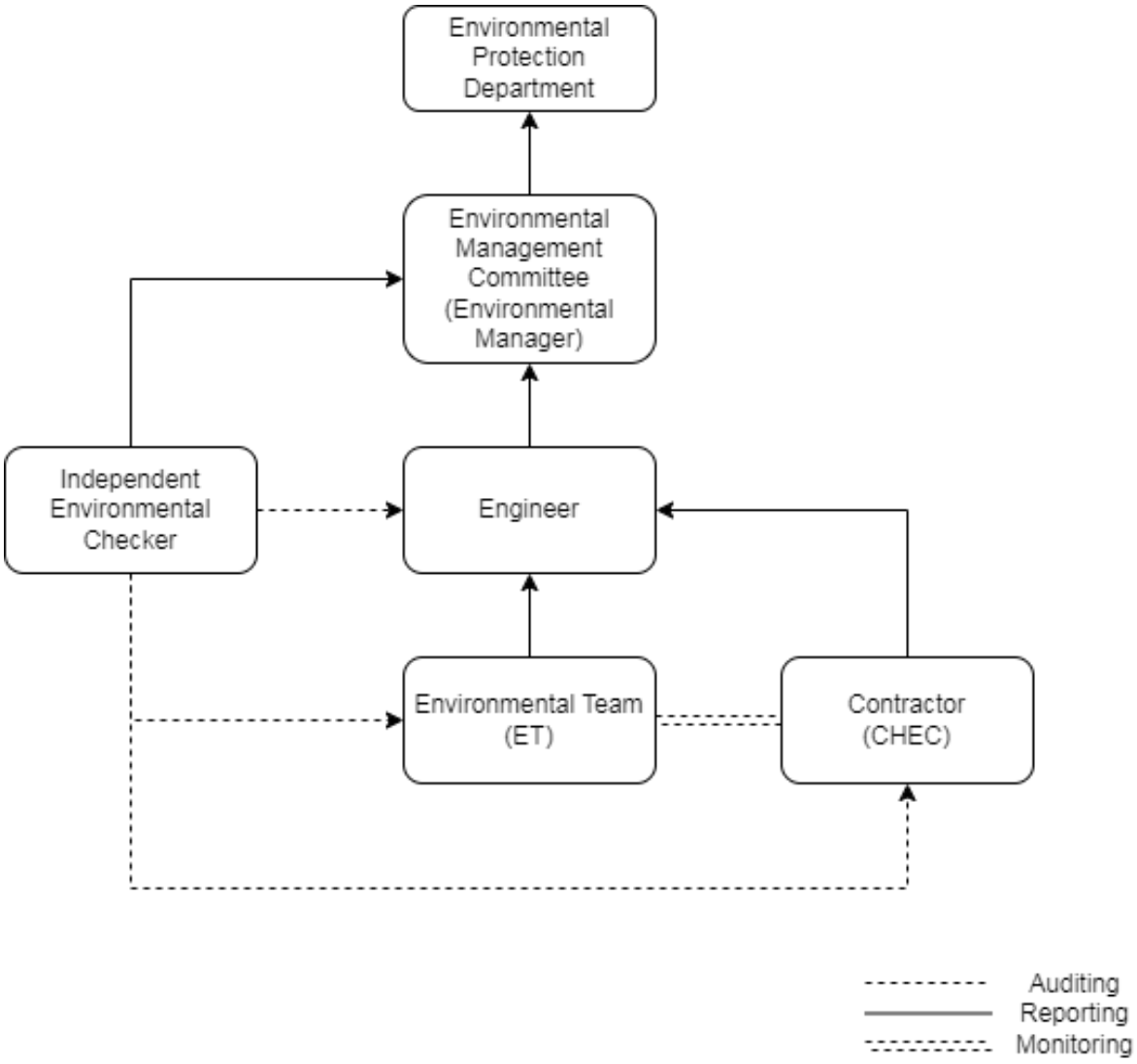


Figure 2.2: The Organization of Environmental Monitoring & Auditing Programme at Construction Phase

2.3 Roles and Responsibilities

CHEC has appointed the Environmental Officer as the senior staff member fully responsible for implementing and overseeing the operation of the Trip Ticket System and implementation of Waste Management Plan. The General Foremen and Foremen are appointed to man each exit from the Site for the purpose of ensuring that every truck carrying C&D materials leaving the Site bears a duly completed, signed and stamped CHIT ticket.

2.3.1 Authorized Representative / Chairman (Head Office)

- Having corporate responsibility for the environmental protection;
- To formulate and endorse the Environmental Policy; and
- To ensure adequate resources are available for implementation, control and improvement of the Waste Management Plan.

2.3.2 Project Director (PD) (Head Office)

- Ensure that an effective Environmental Management System is established, implemented and maintained;
- To report the overall environmental performance to the Authorized Representative / Chairman or the management board;
- To be the chairman of the CHEC Environmental Management Committee;
- Taking the lead to promote environmental protection generally whenever opportunities arise both internally and externally; and
- To ensure adequate resources are available for implementation, control and improvement of the Waste Management Plan.

2.3.3 Environmental Manager (Head Office)

- To assist the Management Representative in discharge his/her duties;
- To be the secretary of the CHEC Environmental Management Committee;
- To establish and maintain an effective Waste Management Plan;
- To monitor the environmental performance, preparing performance report to the AR and the CHEC Environmental Management Committee;
- Advising management on measures for improving environmental performance;
- Updating with new environmental legislation, codes of practice and relevant requirements; circulate information applicable to relevant parties;
- To promote environmental publicity and training;

- Maintaining communication with the relevant Government Departments and other organizations; and
- Responsible for the general administration works of the Environmental Division, including recruitment, supervision and appraisal for Environmental Engineer.

2.3.4 Senior Project Manager (SPM)

The Senior Project Manager has responsibility for coordinating all environmental matters and reporting on these to the CHEC's Supervisory Board and is responsible for all aspects of environmental issues within the project.

The Senior Project Manager is also responsible for ensuring commitment and assigning resources to provide an effective environmental management program in the workplace. The Project Manager will also attend the Site Safety and Environmental Management Committee Meeting and the Site Safety and Environmental Committee Meeting.

The Senior Project Manager is also responsible for the following job duties:

- To monitor the environmental performance;
- Advising management on measures for improving environmental performance;
- Updating with new environmental legislation, codes of practice and relevant requirements; circulate information applicable to relevant parties;
- Maintaining communication with the relevant Government Departments and other organizations;

2.3.5 QSHE Manager (QSHEM)

The QSHE Manager has responsibility for coordinating all environmental matters and reporting on these to the CHEC's Supervisory Board and is responsible for all aspects of environmental issues within the project.

The QSHE Manager is also responsible for ensuring commitment and assigning resources to provide an effective environmental management program in the workplace. QSHE Manager will also attend the Site Safety and Environmental Management Committee Meeting and the Site Safety and Environmental Committee Meeting.

The QSHE Manager is also responsible for the following job duties:

- To be the secretary of the CHEC Environmental Management Committee;
- To establish and maintain an effective Waste Management plan;

- To monitor the environmental performance;
- Advising management on measures for improving environmental performance;
- Updating with new environmental legislation, codes of practice and relevant requirements; circulate information applicable to relevant parties; and
- To promote environmental publicity and training.

Responsible for the general administration works of the Environmental Division, including recruitment, supervision and appraisal for Environmental Engineer.

2.3.6 Environmental Officer

The Environmental Officer will be appointed as a senior staff member, who with at least five (5) years of construction site experiences, fully responsible for implementing and overseeing the operation of the Waste Management Plan.

The responsibilities of the Environmental Officer are also included as follows:

- Review the Waste Management Plan and ensure works are executed in accordance with the plan;
- Update the yearly and monthly summary Waste Flow Table (WFT) monthly and incorporated into the Waste Management Plan; and
- Monitor the works including those of subcontractors to ensure compliance with specified requirements.

2.3.7 Construction Manager (CM)

Construction Manager are responsible for the following duties in relation to environmental control:

- Control the works, including those of sub-contractors, to fulfill environmental protection requirements;
- Assign the Site Engineers/ Assistant Engineers to review on any non-compliance of environmental protection and mitigation measures;
- Investigate the complaint received from public;
- Carry out remedial actions or mitigation measures to rectify the non-compliance; and
- Attend Site Safety and Environmental Committee Meeting.

The Construction Manager will also act as a ticket issuer which is responsible for issuing both “Disposal Delivery Form (DDF)” under trip ticket system and “CHIT” under the Disposal Charging Scheme. He is responsible for checking the following items before issuing the tickets:

- The size of the inert Construction and Demolition (C&D) material is less than 250mm;
- The proper sorting of the construction waste that no public fill is mixed with Construction and Demolition waste before disposal;
- No overloading of the dump truck; and
- Ensure the coverage of the cover of dump truck.

2.3.8 Superintendent/ Site Engineers/Assistant Engineers

The Superintendent/ Site Engineers / Assistant Engineers have the following duties in relation to environmental control:

- Monitor and control the works including those of sub-contractors to ensure compliance of both contractual and statutory requirements;
- Report to the Construction Manager(s) regarding non-compliance of any environmental protection issues;
- Investigate and verify the complaint received from public;
- Ensure the remedial actions or mitigation measures are carried out as planned and;
- Carry out noise and vibration monitoring as required; and
- Attend Site Safety and Environmental Committee Meeting.

2.3.9 Subcontractor

Subcontractors are responsible for the following duties in relation to environmental control:

- Implementing environmental control measures according to the main contractor's environmental management plan and instructions given by its staff;
- Submitting relevant environmental information to the main contractor where required, such as reports, method statements and environmental related records such as CHIT record, etc.
- To ensure their activities are carried out in an environmental control manner and complied with both contractual and legal requirements;
- Supervising their workers to observe environmental rules and regulations;
- To arrange and release workers to attend environmental training where appropriate; and
- Reporting environmental related accidents, incidents, emergency situations to main contractor's staff promptly.

2.3.10 General Foremen / Foremen

The General Foremen / Foremen are responsible for site supervision and coordination of the

works as well as implementation of any remedial actions or environmental protection measures as directed by the Site Agent / Environmental Officer.

The General Foremen / Foremen are also responsible for:

- Assisting in the daily implementation of the Waste Management Plan including to ensure all waste is sorted, segregated, recycled or reused when applicable;
- Responsible to update the Daily Record Summary;
- Ensuring the Waste Management Plan is followed and all appropriate paperwork to be collected and signed off; and
- Ensuring waste is avoided and/or minimized as much as practically possible.

2.3.11 Workers

The workers are responsible to carry out the waste management practice. They are obligated to carry out the works like:

- Sorting of different types of wastes;
- Collection of wastes from each working site to the temporary storage area / designated fill banks /waste collection point;
- General site cleaning;
- Attend waste management training organized by the Environmental Officer; and
- Follow the Waste Management Plan.

2.3.12 Environmental Team

The duties of the Environmental Team (ET) are to regular site inspection to audit the performance and the implementation of Contractor on waste management on site:

- Conduct site inspections and inspect CHEC's equipment and work methodologies with respect to pollution control and environmental mitigation, and to anticipate environmental issues that may require mitigation before the problem arises;
- Audit the status of the general site environmental conditions and the implementation of mitigation measures resulting from site inspections;
- Monitor compliance with the environmental protection clauses / specifications in the Contract;
- Report on the environmental audit results and the wider environmental issues (such as with compliance with environmental and pollution prevention and control regulations) and conditions to the Engineer;
- Liaise with the Independent Environmental Checker on all environmental issues performance matters, and the timely submission of relevant deliverables and advise CHEC on

environmental improvements, awareness, enhancement matters etc. ; and

- Certify if any necessary additional mitigation measures or alternative measures are required to be undertaken by CHEC as the corrective actions to prevent adverse environmental impact arising from the construction activities.

2.3.13 Independent Environmental Checker

An Independent Environmental Checker (IEC) shall be appointed to independently audit and verify the overall environmental performance of the works and to assess the effectiveness of the ET in their duties. The IEC, who shall be independent from the management of the Project, shall advise the Engineer on the environmental issues related to the Project. The main objectives will be to:

- Audit the implementation of WMP from contractor to ensure the WMP and EP condition;
- Review and audit the overall EM&A programme including the implementation of all environmental mitigation measures, submissions relating to EM&A, and other submissions required under the Environmental Permit (EP);
- Conduct random site inspections;
- Review the effectiveness of environmental mitigation measures and project environmental performance; and
- Verify, if necessary, any additional mitigation measures or alternative measures to be undertaken by CHEC as corrective actions to prevent adverse environmental impacts arising from the construction activities.

3 SITE SPECIFIC WASTE MANAGEMENT

3.1 Waste Policy Principles

Refer to hierarchy abovementioned in *Section 1*, a further explanation of the hierarchy of waste management on site is detailed below.

3.1.1 Hierarchy of Waste Management

Key to waste management is to reduce the amount of waste generated from the work site. Waste management options would be exercised in accordance with the hierarchy stipulated in the following table:

Avoidance and Minimization	Avoid and minimize waste through careful planning and design works.
Reuse	Reuse construction waste such as excavated material, used wooden plants and ferric materials.
Recovery and Recycle	Undertake on-site or off-site waste recycling.
Treatment and Disposal	Properly treat and dispose of waste in accordance with legislative requirements, guidelines and good practices.

Table 3.1: Hierarchy of Waste Management

In the context of waste reduction, environmentally responsible purchasing would involve the introduction of practices that discourage unnecessary purchases and encourage the purchase of products with reduced packaging, increased durability and materials with high recycled content, such as, recycled paper, steel and other raw construction materials.

Waste minimization is best achieved through careful planning, design and supervision. Good management practices would reduce and prevent large amount of waste generated. Raw materials would be managed from the first instance before they are ordered and delivered to the site. Good estimation and planning would minimize the amount of raw materials wasted. The generation of waste would be controlled at source.

3.2 Waste Reduction

Specific measures will be implemented to reduce the generation of waste materials, and thus minimize the amount of waste disposal to landfills. The measures will include:

- Sorting on site to recover the inert portion of C&D materials;
- Site clearance;
- Recover all metallic waste for recycling;
- Recover all cardboard and paper packaging, and properly stockpile them in dry and covered condition to prevent cross contamination;
- Use of the materials (such as formworks and hoardings) in the construction would be calculated before purchasing in order to minimize waste generation;
- Use of metal formworks and hoardings, and they would be recycled after demolition on site as far as it can before disposal; and
- At least 20% of the construction waste will be recycled or used onsite.

4 WASTE MANAGEMENT PROCEDURE

The quantities of disposal C&D materials will be recorded under the barcode Trip Ticket System by using the CHIT tickets. CHIT will be presented to the landfill site as part of the system for the disposal charging scheme which had already been officially effective in January 2006. Waste transaction records could be obtained either in the waste disposal facilities right after the transaction or retrieved from the Environmental Protection Department bill statement each month.

4.1 Acceptance Criteria for the Government Disposal Facilities

According to the Highways Department's Memo ref.: (2NQ9) in Highways Department 7/10/1 dated 15 July 2010, the new WAC (as Tabulated below) became effective from 29 December 2010.

Vehicle Type	Waste Depth	Weight Ratio (note)	Designated Facility
Non-demountable Vehicle	Over 1.5m	No restriction	Landfill
	1.5m or below	0.20 or below	
		Over 0.20	Sorting Facility
Demountable Vehicle	Over 1m	No restriction	Landfill
	1m or below	0.25 or below	
		Over 0.25	Sorting Facility

Table 4.1: New Waste Acceptance Criteria

CHEC will comply with the acceptance criteria laid down by the operators of the corresponding fill bank(s) and landfill(s), as outlined below:

4.1.1 Acceptance Criteria for Public Fill Reception Facilities

- The truck driver should bear a duly completed, signed and stamped CHIT;
- The dump truck should also have a valid Dumping Licence issued by Civil Engineering and Development Department, dump trucks without Dumping Licences will be rejected;
- The inert C&D materials to be delivered to the fill bank(s) should be in accordance with the conditions stipulated in the Dumping Licence;
- Any over-sized inert C&D materials should be broken down to less than 250mm in size so as to facilitate reuse by other reclamation or earth-filling projects;
- The C&D materials to be disposed should consist entirely of inert construction waste (i.e. 100% inert construction waste); and

- According to the Highways Department's Memo ref.: (32FV) in Highways Department 7/8/13 dated 25 June 2010, the bituminous material is required to be separated from other inert construction and demolition (C&D) materials for disposal prior to delivery to the PFRF.

4.1.2 Acceptance Criteria for Public Landfill

- The truck driver should bear a duly completed, signed and stamped CHIT;
- The dump truck should also have a valid Dumping Licence issued by Civil Engineering and Development Department, dump trucks without Dumping Licences will be rejected;
- The non-inert C&D waste to be delivered to the landfills should be in accordance with the conditions stipulated in the Dumping Licence;
- Construction waste should contained not more than 50% by weight of inert C&D waste (Gazette Notice G.N. 4272 published on 27 June 2008);
- For a load of C&D waste not consisting entirely of bamboo, plywood or timber delivered by a vehicle, the weight of the waste divided by the permitted gross vehicle weight of the vehicle must not greater than 0.25 for goods vehicle with demountable skip and 0.2 for other types of vehicle (Gazette Notice G.N. 4272 published on 27 June 2008);
- For a load of C&D waste consisting entirely of bamboo, timber or plywood delivered by a vehicle, there is no restriction on the weight of the waste divided by the permitted gross vehicle weight of the vehicle (Gazette Notice G.N. 4272 published on 27 June 2008);
- Mixed C&D materials should be sorted at source to reduce the inert content as far as practicable to meet the above criteria before they are delivered to landfills;
- C&D waste delivered for landfill disposal should contain no free water and the liquid content will not exceed 70% by weight; and
- At least one week's notice, including contractors name and contact details etc, will be submitted to the Environmental Protection Department before commencing delivery of C&D waste to the landfills. Environmental Protection Department will be informed of any subsequent change to the disposal programme.

4.2 Procedures of the Trip Ticket System

China Harbour Engineering Co., Ltd. (CHEC) will implement a Trip Ticket System (TTS) to track the disposal of C&D materials. Under the TTS, each truck carrying C&D materials leaving the Site for a disposal ground will bear a duly completed and stamped CHIT Tickets. The C&D materials must be disposed of at the disposal grounds as stipulated in the CHIT Tickets.

The Trip Ticket System will be executed according to the following procedures:

- The General Foremen / Foremen will arrange the C&D waste to be sorted on site. He will also check the total actual amount of cumulated C&D waste after the completion of the particular works in the working area.
- If the sorted C&D waste is less than 1/3 of truckload, then the C&D waste will be transferred to the temporary holding area in CHEC's works area for temporary stockpiling.
- The C&D waste will be sorted and stored separately in different storage areas.
- Non-inert C&D waste will be stored in storage tanks properly covered with tarpaulin sheeting in the temporary holding area. Inert C&D materials will be stored on the ground properly covered with tarpaulin sheeting in the temporary holding area. Larvicidal oil or larvicide will be applied onto the stored C&D waste, if necessary.
- For every 7 days or one truckload collected, the stored non-inert C&D waste in the temporary holding area will be transferred to the designated landfills.
- For every 14 days or one truckload collected, the stored inert C&D waste in the temporary holding area will be transferred to the designated fill banks.
- If the sorted C&D waste is more than 1/3 of truckload, then the Foremen will arrange disposal of the C&D waste to designated fill banks / landfills.
- For each truckload of C&D materials leaving the working area / temporary holding area to the designated fill banks / landfills, the truck driver must bear a duly completed and signed CHIT.
- The General Foremen / Foremen will check, record with photo and ensure the dump truck is not overloaded by the electronic dump truck self-scale and the materials / waste are properly covered, a several weight buffer is allowed to prevent overloading.
- The General Foremen / Foremen will fill in and sign the Part 1 of the Daily Record Summary (Appendix D) and submit to the Engineer Representatives.
- The Engineer Representatives will cross check the dump truck loading and coverage and sign the Part 1 of the Daily Record Summary (Appendix D) for endorsement, and a duplicate and a copy of Daily Record Summary will give to the Engineer before departure of the truck.

- After that, the General Foremen / Foremen will give the duly completed and signed CHIT to the truck driver.
- The truck will proceed to the disposal ground as stipulated in the CHIT. The truck driver will present the CHIT to the reception facility operator. If the C&D waste accords with the acceptance criteria, disposal of the C&D waste will be permitted and the facility operator will give the truck driver a transaction receipt and the CHIT.
- The truck driver will present the CHIT at the in-weighbridge of the disposal facilities. If the vehicle load is accepted, the CHIT is deemed to be used and the in-weight would be recorded on the "Transaction Record Slip".
- If the truck driver is instructed by the reception facility operator to go to the sorting facility. The driver will need to return back to the site and report to the General Foremen / Foremen. No driver is allowed to go to sorting facility.
- The truck driver will then return the transaction receipt and the stamped CHIT to CHEC as soon as possible.
- CHEC will maintain a daily record disposal of C&D materials from the Site including details of the C&D waste, the truck number, departure time, etc, and notify the Engineer in case any discrepancy is noted.
- For disposal at government disposal facilities, CHEC will check the information recorded in the Daily Record Summary against the disposal records in Civil Engineering and Development Department's website (http:www.cedd.gov.hk/eng/services/tripticket/index.html) or Environmental Protection Department's website (http://www.epd.gov.hk/epd/misc/cdm/trip.htm) and complete Part 2 of the DRS for submission to the Engineer's Representatives within 3 working days after the day of disposal.
- Where an irregularity is observed or when requested by the Engineer's Representatives under special circumstances (e.g. a CHIT has been issued but there is no disposal record at the designated disposal facilities), CHEC will submit to the Engineer within 5 working days after the recorded date of disposal the supporting evidence such as duly stamped CHIT and/or the transaction receipt (where relevant) to confirm proper completion of the delivery trips in question, or within 2 working days after the Engineer has requested for such evidence, whichever is later. A fax copy of the CHIT and transaction receipt is acceptable, unless otherwise directed by the Engineer. CHEC will maintain all records on the CHIT for at least one year or other period as may be directed by the Engineer.

4.3 Measures to be implemented during transportation of wastes to avoid leakage of wastes on public areas

- All of the dump trucks used would be equipped with mechanical covers in which maintained in a good condition.
- In order to minimize the leaking of material from the dump trucks, no material should be stored higher than the trail board.
- Deposited silt and wastes on all dump trucks' wheels and bodies should be properly washed off by wheel washing facilities before leaving the constructions sites.
- CHEC will provide wheel washing facilities on site at the site entrance.

4.4 Disposal of C&D Materials to Alternative Disposal Ground(s)

Where CHEC has identified a project that can be an alternative disposal ground, CHEC will provide a detailed description of the alternative disposal ground, including location, lot number (where appropriate) and location plan(s) to the Engineer to request for his written approval.

Where the alternative disposal ground is a private construction project, CHEC will submit a letter from the Authorized Person of the development (as defined under the Building Ordinance) to confirm that:

- The C&D materials for use in the development is acceptable;
- The use of land so formed by the C&D materials is in conformity with the statutory town plan/ lease conditions;
- The Engineer's staffs are allowed to enter the alternative ground to conduct inspection where necessary; and
- The estimated quantity and type of C&D materials to be used/processed in the alternative disposal ground and the approximate delivery programme, together with the name, post and specimen signature of the competent person to sign the DDF/ internal trip ticket stipulated in PS.G04 – Appendix B (3)(f).

Where the alternative disposal ground is a private land but not a construction site, CHEC will submit a letter from the relevant authorities, such as the Lands Department and the Planning Department, to confirm that the suitability of the alternative disposal ground in receiving the proposed amount of C&D materials for use, and a written consent from the landowner.

Where the alternative disposal ground is a government project, CHEC will submit written consent from the project office of the alternative disposal ground to use the C&D materials generated from

the Site, and to confirm the estimated quantity and type of C&D materials required and the approximate delivery programme.

A system for transmitting disposal records from the alternative disposal ground will be submitted to the Supervising Officer for approval before disposal to the alternative ground starts.

4.5 Chemical Waste/ Hazardous Waste Handling and Disposal

Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, will be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes as follows:

4.5.1 Packaging

Chemical waste will be packed and held in containers of suitable design and construction so as to prevent leakage, spillage or escape of the contents under normal conditions of handling, storage and transport.

Containers used for the storage of chemical wastes will:

- Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;
- Have a capacity of less than 450 litres unless the specifications have been approved by the EPD; and
- Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.

4.5.2 Labelling

Every container of chemical waste will bear an appropriate label which will contain the particulars details. The waste producer will ensure that the information contained on the label is accurate and sufficient so as to enable proper and safe handling, storage and transport of the chemical waste.

4.5.3 Storage

The storage area will be specially constructed and bunded, and located close to the source of waste generation.

The storage area for chemical wastes will:

- Be clearly labelled and used solely for the storage of chemical waste;
- Be enclosed on at least 3 sides;

- Have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest;
- Have adequate ventilation;
- Be covered to prevent rainfall entering (water collected with the bund must be tested and disposed of as chemical waste); and
- Be arranged so that incompatible materials are adequately separated.
- Before reaching 80% capacity of the storage container, licensed waste collectors will be employed to remove the chemical waste.

4.5.4 Transportation and Disposal

After the chemical wastes have been packed, labeled, and stored, the chemical wastes will be transported by licensed waste collectors and disposed of at Chemical Waste Treatment Facility in Tsing Yi or other approved facilities.

4.6 General Refuse

Measures to be implemented to encourage waste avoidance/ minimization include:

- Reducing the number of photos copies to a minimum and by copying on both sides of paper for internal documents and external documents where appropriate;
- Preventing over-ordering of office equipment and consumables;
- Procuring green office equipment and consumables in terms of energy efficiency, recycled content and durability, etc;
- Deploying sufficient recycle bins in site offices to facilitate collection of recyclables including wasted aluminum cans, plastics bottles and papers;
- Deploying sufficient collection bins with cover at convenient locations at site to facilitate collection of non-recyclable for disposal at landfills;
- General refuse generated from working vessels and barges can dispose the waste into temporary waste collection point; and
- General refuse shall be collection and disposal daily to maintain site cleaning and tidiness.

4.7 Sewage

For sewage collection will be by holding tank to be pumped out at regular interval and ensuring no adverse water impacts by contracting with licensed contractors to collect sewage and maintain the facilities.

Handling of sewage in terms sewage generated by human, adequate chemical toilets would be provided for collection.

Sufficient numbers of chemical toilets for workers and frontier workforces were placed on works area other than site offices.

4.8 Use of Timber

CHEC aims to avoid, reduce or minimize the use of timber in temporary construction activities. Where the use of timber is unavoidable for temporary works construction processes or activities with an estimated quantity of greater than 300m^3, CHEC will submit a method statement to the Engineer for agreement before starting the relevant temporary works. The method statement will include the justifications for the use and the measures taken to minimize the use of timber.

The summary table of timber usage will be updated and submitted to the Engineer for monitoring and review by not later than the 15th day of each month or, if it is a general holiday, the day following the general holiday, or a day agreed upon with the Engineer.

4.9 Handling of Recyclables

Before starting the transportation of recyclable materials off site to recycling facilities,
CHEC will meet with recycling contractors to establish a suitable system for collecting recyclable materials with care.

4.10 Estimated Quantities of C&D Material/ Waste

The following types of waste would be generated from the works areas and the workforce on site.

- C&D materials / waste;
- Excavated sediments;
- Chemical waste;
- General refuse; and
- Recyclable waste

Material	Generated from Project (m^3)	Re-used onsite or on other Projects (m^3)	Disposal (m^3)	Proposed Disposal Outlet
Non-inert C&D General Waste	1200	0	1200	Landfill Facilities
Inert C&D Soft Material	TBA	TBA	TBA	Public Fill Reception Facilities
Chemical waste	5	0	5	CWTC
Slurry/bentonite	200	0	200	Public Fill Reception Facilities
Recyclable waste (scrap metal / waste paper / waste plastic / yard waste)	300	0	300	Recycle Company

Table 4.1 Table for Estimated Quantities of C&D Material/ Waste

5 DISPOSAL PROGRAMME

There will be inert C&D materials (comprises soil, rock, concrete, brick, cement plaster/mortar, etc), inert building debris, aggregates and asphalt shall be reused in earth filling, reclamation or site formation works. Non-inert C&D materials (comprises metal, timber, paper, glass, junk and general garbage) and slurry and bentonite generated under Contract No.: 24-83005. With reference to the PS.35.5(7), the designated disposal grounds for mentioned are listed as follows:-

- Inert C&D Materials:
  To any designated public filling facility or other disposal grounds as directed by Engineer

- Slurry and Bentonite:
  To any designated public filling facility or other disposal grounds as directed by Engineer

- Non-inert C&D Materials:
  To any landfill (NENT landfill / SENT landfill / WENT landfill)

Monthly Summary for C&D material disposal off the Site will be provided to indicate the estimate quantities, types of C&D materials and corresponding disposal ground in Waste Flow Table (WFT).

Disposal locations for inert C&D materials would be any designated public filling facility (Tseung Kwan O Area 137 Fill Bank / Tuen Mun Area 38 Fill Bank / Chai Wan Public Fill Barging Point / Mui Wo Temporary Public Fill Reception Facility). The non-inert C&D materials would be disposed to NENT landfill / SENT landfill / WENT landfill. Tseung Kwan O Area 137 Fill Bank / Tuen Mun Area 38 Fill Bank / Chai Wan Public Fill Barging Point / Mui Wo Temporary Public Fill Reception Facility for slurry and bentonite disposal.

Wheel washing facilities would be installed at works areas. These facilities would be cleaned daily.

6 NOTIFICATION TO TRUCK DRIVERS &VESSEL OPERATION

CHEC will write to all truck drivers who or his sub-contractor(s) has engaged for removal of C&D materials from the Site and draw their attention to the following particular points:

- Each truck carrying C&D materials leaving the Site for a disposal ground must bear a duly completed and stamped CHIT, irrespective of the location and nature of the disposal ground;
- The C&D materials must be disposed of at the disposal ground as stipulated in the CHIT;
- Situations that constitute "improper disposal" and "Major improper disposal" and that the Public Fill Committee (PFC) will consider revoking the Dumping Licence from the holder of the offending trucks; and
- Truck drivers must bear a valid Dumping Licence that he can be applied from the Civil Engineering and Development Department

The truck drivers will sign on a receipt form upon receipt of the notification. A sample of the notification to truck drivers and the receipt form is attached in *Appendix C*.

7 WASTE MANAGEMENT RECORD

The CHIT Tickets will be used for each and every vehicular trip transporting construction and demolition (C&D) material off site.

Prior to the vehicle leaving the site, the Engineer will insert the date, time of departure, vehicle licence plate number, designated public filling facility/ landfill, and other information as required, and stamp the form. The Engineer will then retain the first strip of the form and pass the rest to CHEC's Representative. The form will be carried on board the vehicle at all times throughout the vehicular trip.

A comprehensive register of the CHIT Tickets issued will be maintained and available for inspection by the Engineer upon request. The following records will be kept for monitoring of the TTS issued:-

Daily Record Summary (DRS) and the Waste Flow Table (WFT) should be completed and submitted to the Engineer for record. A sample of DRS and WFT, please refer to *Appendix D and E* respectively.

Waste Flow Table – Monthly

Record of the quantities of C&D materials generated each month will be maintained using the monthly summary Waste flow Table (WFT). CHEC will complete and submit the monthly summary WFT to the Engineer and the ET by not later than the 15th day of each month follows the reporting month, or if it is a General Holiday, the day following the General Holiday, or a later date as agreed by the Engineer, and reported in the monthly EM&A report.

Waste Flow Table – Yearly

The estimated quantities of C&D materials to be generated each year from the site will be summarised using the yearly summary WFT. The WFT will be updated on a half-yearly basis and submit to the Project Proponent by not later than 1st of June and December of each year, or if it is a General Holiday, the day following the General Holiday, throughout the construction period in order to account for the revised works programme and latest outturn on the quantities of C&D materials generated from the site.

Specific trip ticket and records for internal transfer of C&D materials and imported fill materials will also be kept for monitoring whatever necessary.
For recyclable materials, CHEC's Representative will record the quantities of all the recyclable materials before removal off the Site by the recycling contractors, and include the details in the

WFT for submission to the Engineer.

In order to ensure proper disposal of C&D materials, enhancement measures to further improve the TTS recording system, a video recording system shall be installed and disposal shall be checked against survey record. Such video recording system used to monitor the vehicular exit/ entrance of the site.

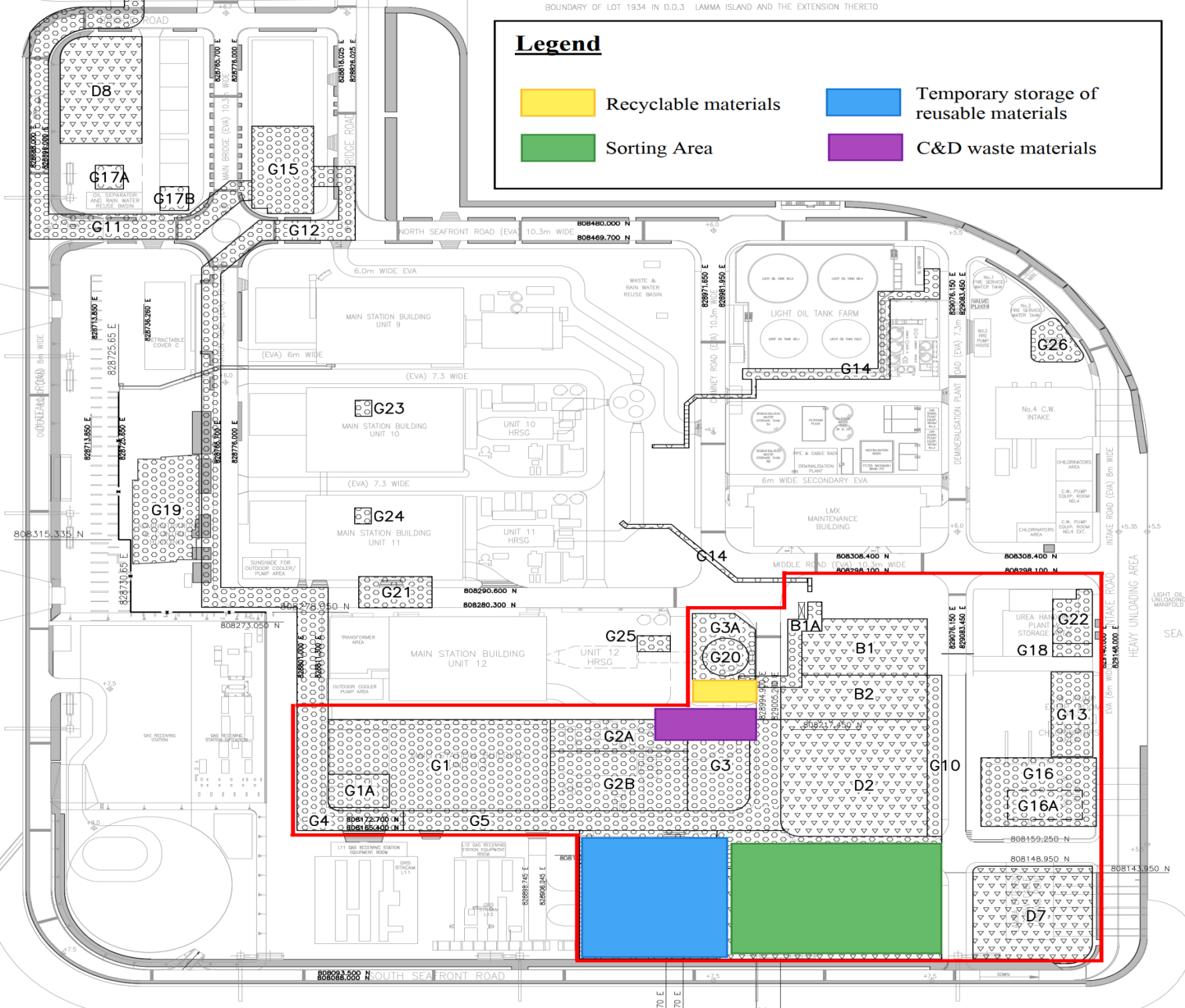
8 WASTE MONITORING AND AUDIT

The following items shall be included in the agenda for discussion at every Site Environmental Management Committee meeting, and Site Environmental Committee meeting, or other established channels for performance monitoring as agreed by the Engineer's Representative:

(a) review the waste management plan and implementation of the TTS, and identify areas for improvement;
(b) audit the quantity of C&D materials removed from the Site (based on the DRS and survey records) against the quantities of C&D materials delivered to the disposal ground designated in the Contract (e.g. based on EPD website) and directed or approved by Engineer;
(c) review incidents of non-compliance and discuss the necessary follow-up actions;
(d) monitor the follow-up action on defects and deficiencies identified; and
(e) ET and/or IEC will conduct regular inspection to audit the implementation of waste management for the project, and CHEC will take prompt remedial action to correct the identified deficiencies and shortcomings by ET and/or IEC.

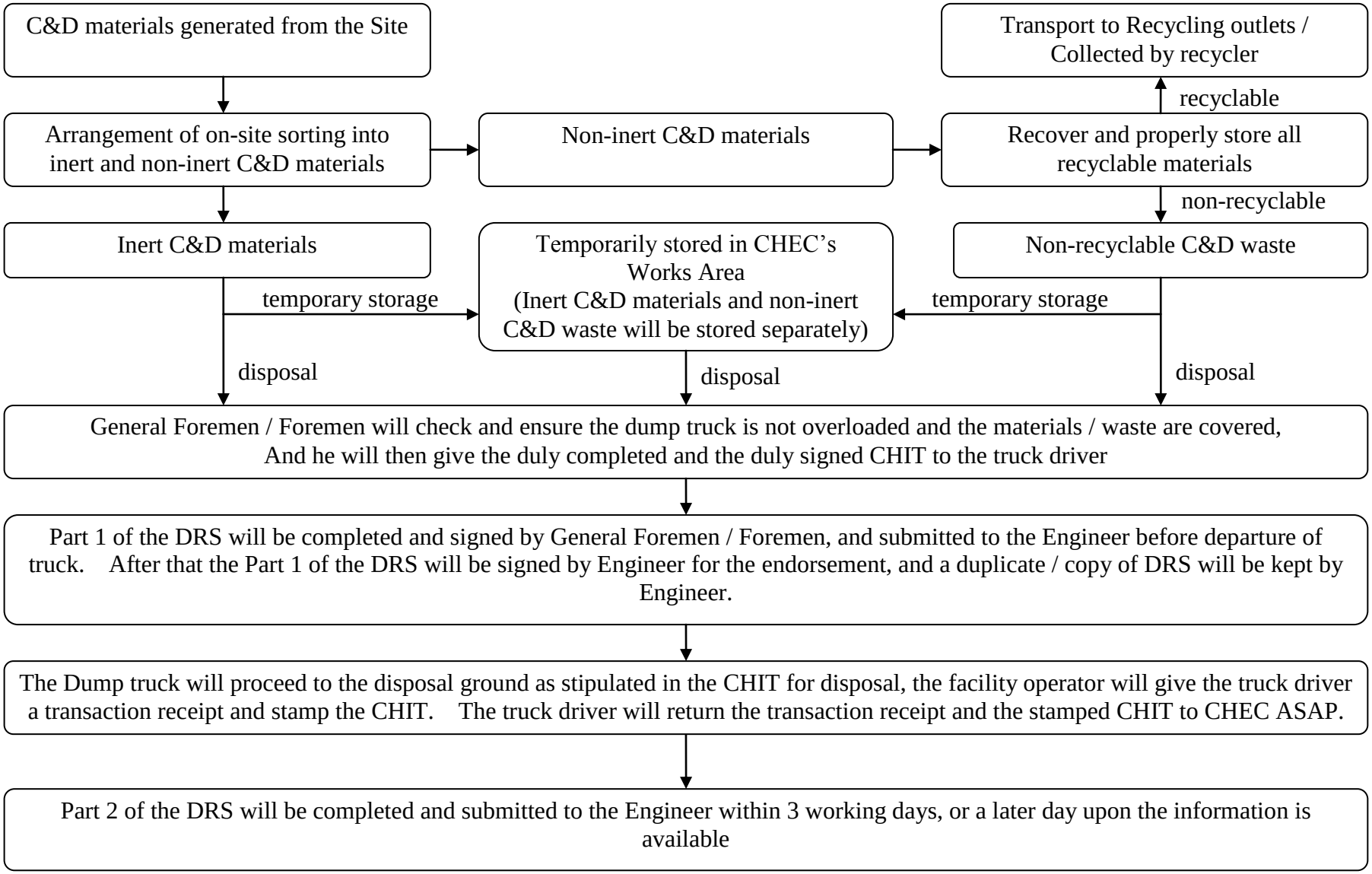
Appendix A

Site Layout Plan


BOUNDARY OF LOT 1934 IN D.D.3 LAMMA ISLAND AND THE EXTENSION THERETO
Legend
Recyclable materials
Temporary storage of reusable materials
Sorting Area
C&D waste materials
D8
G17A
G17B
G11
G12
G15
G14
G26
G23
G24
G21
G19
G25
G3A
G20
B1A
B1
B2
G22
G18
G13
G16
G16A
G2A
G1
G1A
G2B
G3
G4
G5
D2
G10
D7
NORTH SEAFRONT ROAD (EVA) 10.3m WIDE
SOUTH SEAFRONT ROAD
MAIN STATION BUILDING UNIT 9
MAIN STATION BUILDING UNIT 10
MAIN STATION BUILDING UNIT 11
MAIN STATION BUILDING UNIT 12
UNIT 10 HRSG
UNIT 11 HRSG
UNIT 12 HRSG
LIGHT OIL TANK FARM
DEMINERALISATION PLANT
LMX MAINTENANCE BUILDING
CHIMNEY ROAD (EVA) 10.3m WIDE
DEMINERALISATION PLANT ROAD (EVA) 7.3m WIDE
MIDDLE ROAD (EVA) 10.3m WIDE
INTAKE ROAD (EVA) 8m WIDE
HEAVY UNLOADING AREA
6m WIDE SECONDARY EVA
(EVA) 6m WIDE
(EVA) 7.3 WIDE
6.0m WIDE EVA
WASTE & RAIN WATER REUSE BASIN
No.4 C.W. INTAKE
808480.000 N
808469.700 N
808315.335 N
808308.400 N
808298.100 N
808290.600 N
808280.300 N
808273.050 N
808217.250 N
808172.700 N
808165.400 N
808159.250 N
808148.950 N
808143.950 N
808093.500 N
808088.000 N

Appendix B

Flow Chart of the Trip Ticket System


C&D materials generated from the Site
Arrangement of on-site sorting into inert and non-inert C&D materials
Non-inert C&D materials
Transport to Recycling outlets / Collected by recycler
recyclable
Recover and properly store all recyclable materials
non-recyclable
Inert C&D materials
Temporarily stored in CHEC's Works Area (Inert C&D materials and non-inert C&D waste will be stored separately)
Non-recyclable C&D waste
temporary storage
temporary storage
disposal
disposal
disposal
General Foremen / Foremen will check and ensure the dump truck is not overloaded and the materials / waste are covered, And he will then give the duly completed and the duly signed CHIT to the truck driver
Part 1 of the DRS will be completed and signed by General Foremen / Foremen, and submitted to the Engineer before departure of truck. After that the Part 1 of the DRS will be signed by Engineer for the endorsement, and a duplicate / copy of DRS will be kept by Engineer.
The Dump truck will proceed to the disposal ground as stipulated in the CHIT for disposal, the facility operator will give the truck driver a transaction receipt and stamp the CHIT. The truck driver will return the transaction receipt and the stamped CHIT to CHEC ASAP.
Part 2 of the DRS will be completed and submitted to the Engineer within 3 working days, or a later day upon the information is available

Appendix C

Notification to Truck Drivers

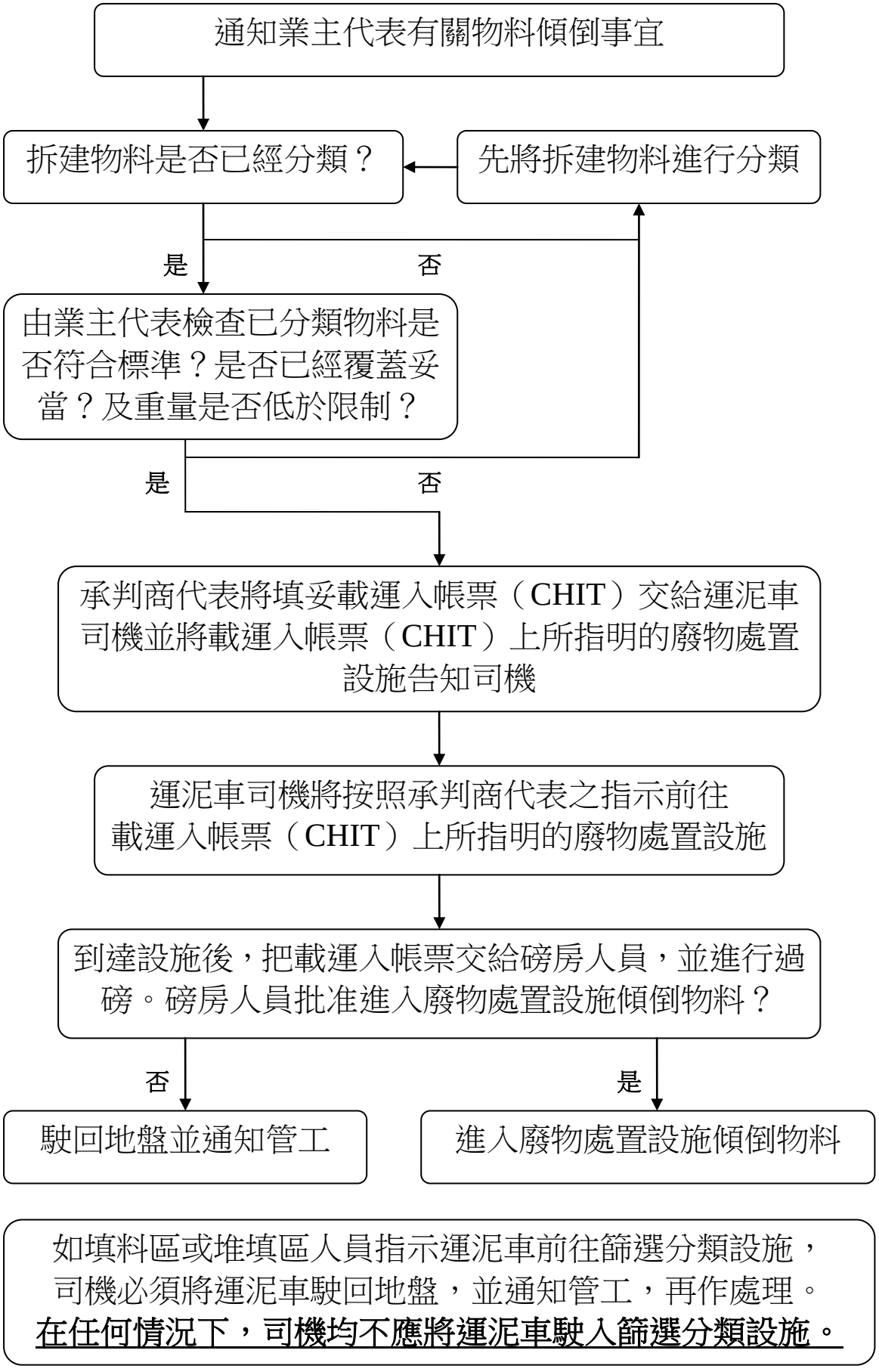
運泥車司機於運載物料及離開地盤前，司機必須注意並檢查以下事項：

1. 運泥車上的物料已經篩選分類為：
   a. 惰性（如泥土、石屎頭、石頭、碎石等）；
   b. 非惰性（如樹枝、鐵枝、一般垃圾等）。
2. 運泥車沒有超載。
3. 車軌及車身已經徹底清洗及泥斗上物料已經完全蓋好。
4. 載運入帳票上的第一截已交給駐地盆監工人員。
5. 司機已持有有效的傾倒執照。
6. 司機已持有載運入帳票並票上的所有資料已經填妥。
7. 必須依照載運入帳票所指明的地點進行傾倒。
8. 如司機沒有持有已填妥資料的載運入帳票而離開地盤進行傾倒；或運泥車駛往非載運入帳票所指明的地點進行傾倒；或司機於傾倒後未能提供已蓋印的載運入帳票及傾倒記錄，則會構成不當傾倒。
9. 如運泥車駛往非指明的地點進行傾倒，並該地點為私人土地；或運泥車非法傾倒，則會構成嚴重不當傾倒。

※ 運泥車不當傾倒或嚴重不當傾倒可被吊銷傾倒執照。

Contract No. : 24-83005
LAMMA POWER STATION EXTENSION
CIVIL AND BUILDING WORKS FOR UNIT 13

運載物料及傾倒流程表



如填料區或堆填區人員指示運泥車前往篩選分類設施，司機必須將運泥車駛回地盤，並通知管工，再作處理。
在任何情況下，司機均不應將運泥車駛入篩選分類設施。

中國港灣工程示

中 國 港 灣 工 程 有 限 責 任 公 司
China Harbour Engineering Company Limited

Contract No. 合約編號 :24-83005

『運載物料及傾倒時需注意及檢查事項』及『運載物料及傾倒流程表』簽收紀錄
Receipt of Disposal & Delivery Notice and Procedures

日期 Date : _____

時間 Time : _____

地點 Venue : _____

分發者 Distributed By : _____

簽名 Signature : _____

	姓名 Name	公司 Company	簽名* Signature*	身份證號 (首四數字) Iden. No. (First Four Numbers)
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				

* 本人確認已經收到中國港灣人員所分發的『**運載物料及傾倒時需注意及檢查事項**』及『**運載物料及傾倒流程表**』，並會確實遵守執行有關事項及程序。

Appendix D

Daily Record Summary

中國港灣工程有限責任公司
China Harbour Engineering Company Limited

"Daily Record Summary" to record daily disposal of construction & demolition (C&D) materials from the site
"每日運載記錄撮要"記錄每日由地盤所傾卸的拆建物料

(1) Contract no. & title: 合約編號及名稱: Contract No.: 24-83005 & LAMMA POWER STATION EXTENSION CIVIL AND BUILDING WORKS FOR UNIT 13
(2) Date of disposal: 傾卸日期: _____
(3) Disposal ground(s) designated in the Contract or directed by the Engineer 合約指定工程師指示接收設施:
(a)
(b)
Other 其它
(4) Approved alternative disposal grounds 另可接受的接收設施: _____

CHIT / DDF no. 載運入帳票/拆建物料運載記錄票編號	Vehicle registration mark 車輛登記號碼	Approx. vol (e.g. Full/Three Quarter/Half/One quarter) 大約承載量 (例如全、3/4、半、1/4)	C&D materials type (e.g. inert (other than bituminous material), bituminous material or non-inert) 建築廢料種類 (例如惰性(不含瀝青)，含瀝青廢料或非惰性)	Disposal ground 接收設施	Signature & Name of the Contractor's Designated person before departure 於離開地盤前,承建商的指定人仕姓名及簽名	Departure time from site 離開地盤時間	Signature & name of the Engineer's supervisory staff before departure or other time as agreed between the Engineer's Representative and the Contractor 於離開地盤前或其它經承建商與工程師代表同意的時間，工程師監管人員姓名及簽名		Actual Disposal ground 真正接收設施	Arrival time at disposal ground 抵達接收設施時間	Remarks 備註:	Supervising Officer's supervisory staff to sign as to indicate checked on DRS records against disposal records on EPD website 經已核對環保署網站的棄置記錄，監督主任監管人員簽名
							Name 姓名	To sign as to indicate spot checked dump trucks at exit 經已在出口抽查泥頭車，監督主任監管人員簽名				

Part 1[2] 甲部 — Part 2[3] 乙部

Submitted by 呈交: _____ *[Name of Contractor's Designated Person]*
Signature 簽名: _____
Date 日期: _____
Received by 接收: _____ *[Name and signature of the Engineer]*
Post 職位: _____
Date & Time 日期及時間: _____

[1] For term contract, if there are no full time site supervisory staff, the Supervising Officer's/ supervisory staff should spot check and then sign as appropriate in accordance with paragraph 25 of DEVB TC(W) 6/2010 定期合約,如沒有全職地盤監管人員,應根據DEVB TC(W) 6/2010 的第25段進行定點檢查及簽署
[2] Part 1 甲部– The Contractor shall complete Part 1 in duplicate and a copy should be kept by the Supervising Officer's Representative承建商填寫甲部兩份，副本由監督主任代表持有
[3] Part 2 乙部– The Contractor shall complete Part 2 and submit the whole Summary to the Supervising Officer's Representative within 1 working day after the records are posted at the EPD web-site 承建商填寫乙部及將整份運載記錄撮要於記錄上載在環境保護署網頁後 1 個工作天內呈交給監督主任代表

Appendix E

Waste Flow Table

Monthly Summary of Waste Flow Table for _____ (year)

Name of Person completing the Record: _____

Month	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-inert C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete *(see Note 3)*	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Paper/ cardboard packaging	Plastics *(see Note 2)*	Chemical Waste	Others, e.g. general refuse
	(in '000 Kg)	(in '000Kg)	(in '000Kg)	(in '000Kg)	(in '000Kg)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)
Jan										
Feb										
Mar										
Apr										
May										
Jun										
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul										
Aug										
Sept										
Oct										
Nov										
Dec										
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Notes:

(1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

(2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

(3) Broken concrete for recycling into aggregates.