

“環保督導員”是發展局的合約要求，並不屬於法規或牌照課程。本學院開辦的“環保督導員證書課程”，在 2015 年獲得發展局的“不反對開辦”通知。

### **Construction Environmental Supervisors - Program Structure**

Learning Hours: 30 hours

#### **Module 1 Statutory Requirements and Pollution Controls (15 hours)**

##### **法規與污染控制**

##### 1.1 Green Construction 綠色建築

- ✧ Environmental issues arisen from construction works
- ✧ Environmental protection rules and requirements
- ✧ EPD's and industrial supports and reference
- ✧ Contractors' responsibilities

##### 1.2 Air Pollution Controls 空氣污染控制

- ✧ 31 "Specified Processes" under the APCO
- ✧ Emission from machinery
  - ✧ Black smoke/fume from construction equipment
  - ✧ Controls and Requirements of the NRMM Regulation
  - ✧ Labelling requirement
- ✧ Dust nuisance from construction activities
  - ✧ Notification of Works Commencement: EPD Form NA
    - ◆ Demolition
    - ◆ Site formation
    - ◆ Reclamation
    - ◆ Roadwork
    - ◆ Foundation
    - ◆ Superstructure
    - ◆ Tunnel works
  - ✧ Operation of vehicles
  - ✧ Material handling
  - ✧ Conveyor system
  - ✧ Concrete batching
- ✧ Burning of refuse

##### 1.3 Noise Controls 噪音控制

- ✧ Noise from powered mechanical equipment
- ✧ Noise from prescribed construction works

##### 1.4 Water Pollution Controls 水污染控制

- ✧ Storm water and foul water drainage system
- ✧ Blockage of public sewers and drains
- ✧ Damage to public drains
- ✧ Blockage to public manholes
- ✧ Surface water drainage from sites

- ◇ Accumulated waste water on site
- ◇ Wastewater Discharge, WPCO license

### 1.5 Waste Disposal 廢物處置

- ◇ Sorting of waste materials
- ◇ Construction Waste Disposal
- ◇ Chemical Waste Control
  - ◆ Packaging, Labelling and Storage of Chemical Wastes
  - ◆ Handling, Transportation and Disposal of Asbestos Waste

### 1.6 Environmental Impact Assessment 環境影響評估

## Module 2 Waste Management Practice (15 hours)

### 廢物管理實踐

### 2.1 Waste Management on Site 建築地盤廢物管理

- ◇ Waste Management Techniques:
  - ◆ *Reduction,*
  - ◆ *Reuse,*
  - ◆ *Recycle,*
  - ◆ *Renewable Resources/Energy,*
  - ◆ *Renewable Materials*
- ◇ Best Practice Guide for Environmental Protection on Construction Sites (HKCA, 2013)
- ◇ Pollution Problems & Practical Solutions:
  - ◆ *Civil Engineering,*
  - ◆ *General Building Construction,*
  - ◆ *Haul Road,*
  - ◆ *Piling,*
  - ◆ *Site Boundary,*
  - ◆ *Site Office,*
  - ◆ *Use of Powered Mechanical Equipment,*
  - ◆ *Waste Management,*
  - ◆ *Wastewater Management*
- ◇ Application for Licences.
  - ◆ *Air: Construction Dust,*  
*Controlling Emission from Non-road Mobile Machinery (NRMM)*  
*APCO License for industrial activities "specified processes"*
  - ◆ *Noise: Construction Noise Permit (CNP)*
  - ◆ *Water: Wastewater Discharge Licenses*
  - ◆ *Waste: Construction Waste Discharge Scheme*
  - ◆ *Chemical Waste Control: EPD Register and License*
  - ◆ *Others:*
    - ◆ *Dumping at Sea,*
    - ◆ *Environmental Impact Assessment,*
    - ◆ *Product Eco-responsibility,*
    - ◆ *Ozone Layer Protection*

## 2.2 Requirements and implementation of the environmental functions under the Pay for Safety Performance Merit Scheme, ETWB TC(W) No. 19/2005

『支付安全計劃』環保功能的要求與施行

- ◇ General Requirement
- ◇ Pay for Environmental Management
- ◇ Pay for Environmental Measures
- ◇ Performance Monitoring
- ◇ Provision of Information to Contractor
- ◇ Alternative Design Proposal by Contractor
- ◇ Record of Generated Wastes
- ◇ Training
- ◇ Auditing
- ◇ Ultra Low Sulphur Diesel (ULSD)
- ◇ Environmental Management Plan
- ◇ Environmental Officer
- ◇ Assigned Person
- ◇ Environmental Supervisor
- ◇ Environmental Management Policy
- ◇ Site Safety and Environmental Management Committee
- ◇ Monthly environmental report
- ◇ Records

## 2.3 Waste Management Plan 廢物管理計劃

- ◇ Key types of waste to be reduced
- ◇ Waste reduction target
- ◇ Waste reduction programme
- ◇ Waste disposal procedures
- ◇ Monitoring and Audit

## 2.4 Environmental Supervisors Practice 環境督導員實務

- ◇ Role and Duties of an Environmental Supervisor
- ◇ Waste Management Plan Implementation
- ◇ Inspection, Records and Reports