

Annex 1

# **Asbestos Management and Control**

**AT THE 15<sup>TH</sup> BLG MEETING FOR  
RECREATIONAL CLUBS**

**(11 AUGUST 2015)**



**DR. BENNY SO**  
**ASBESTOS MANAGEMENT AND CONTROL SECTION**

# ASBESTOS? WHERE IS IT?



# ASBESTOS CONTAINING MATERIALS (ACM)

Low-risk ACM are **non-friable**. The asbestos fibres in these materials are bonded tightly with the basic structure and will not pose immediate danger to human health.

High-risk ACM are **friable**. Improper handling of such ACM may cause release of asbestos fibres.



# LOW RISK ACM (1)

Dike and “Retaining Wall”  
田基或護土牆



Canopy sheet  
石棉瓦簷篷



Corrugated Asbestos Cement Sheet

波紋石棉水泥瓦片



# LOW RISK ACM (2)



Residential and Industrial  
住宅及工業大廈

Rural Villages  
鄉郊村落



Roofing Structure 天台僭建物



# LOW RISK ACM (3)



**Asbestos canopy sheets likely to be disturbed during building renovation**



# LOW RISK ACM (4)

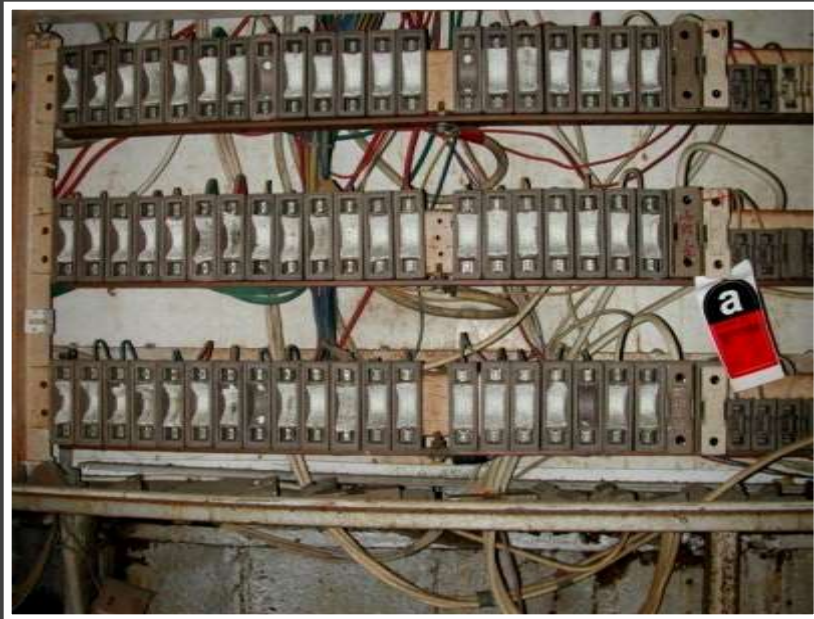


**Grille Panel (通花磚) in  
Staircase, lobby and balcony**



# LOW RISK ACM (5)

Insulation Cloth  
電掣箱絕緣墊片



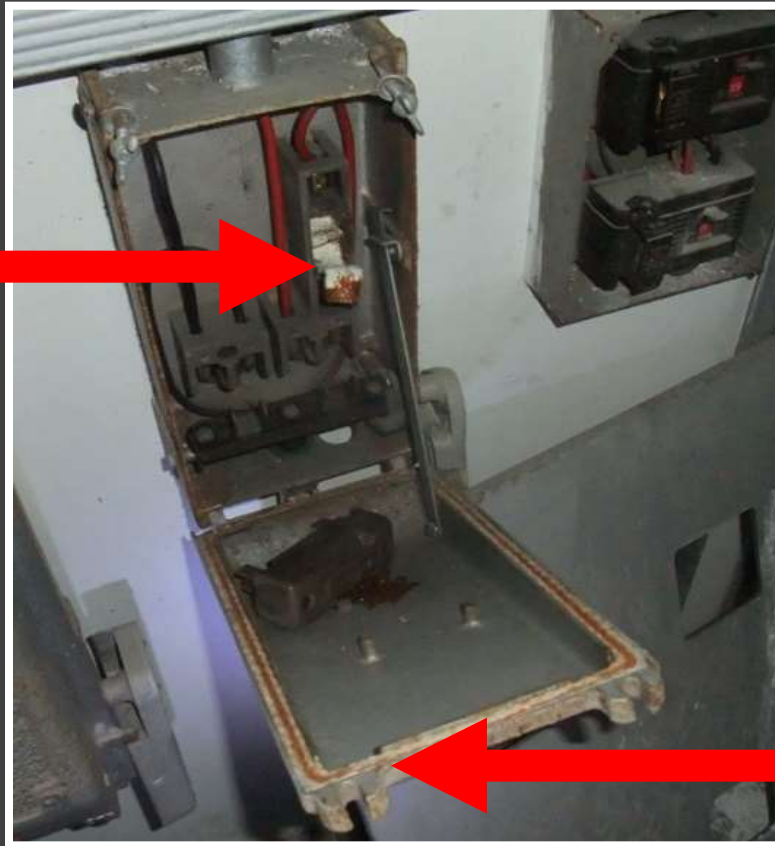
Vinyl Floor Tiles  
含石棉的膠地板





# LOW RISK ACM (6)

Arch Cloth  
絕緣布



Rope Seal  
絕緣繩



# LOW RISK ACM (7)



Insulation board  
絕緣石膏板



Millboard Paper  
絕緣紙



# HIGH RISK ACM (1)



Sewage vent pipe  
水泥污水管



# HIGH RISK ACM (2)

Refuse Chute  
大廈垃圾槽



Chimney Lagging  
煙囪隔熱物料



# HIGH RISK ACM (3)



**Flexible Joint**  
抽風喉管隔熱物料  
或彈性接口



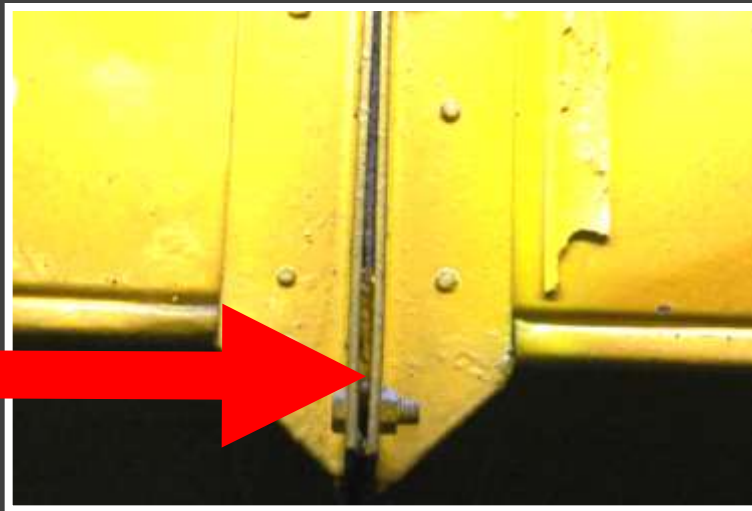
**Fire Blanket**  
防火氈



**Boiler Lagging**  
鍋爐隔熱物料



# HIGH RISK ACM (4)



**Vent Duct Gasket**  
風喉接駁位襯墊



**Boiler Gasket**  
鍋爐駁位襯墊



# HIGH RISK ACM (5)

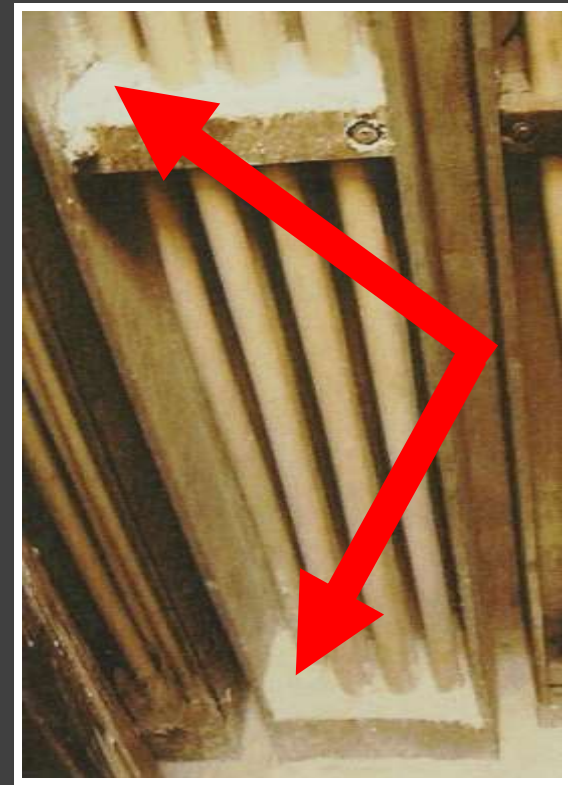


Rope Lagging  
熱水喉隔熱石棉繩



# HIGH RISK ACM (6)

Acoustic Ceiling Plaster  
吸音批盪物料



Cable Seal  
電線槽防火封口物料





# Air Pollution Control Ordinance

## 空氣污染管制條例

### S.51 – Registered Asbestos Professional 註冊石棉專業人士

- Registered Asbestos Consultant 註冊石棉顧問
  - Carry out asbestos survey
  - Prepare **Asbestos Investigation Report (AIR)** [石棉調查報告] and **Asbestos Abatement Plan (AAP)** [石棉消滅計劃]
- Registered Asbestos Contractor 註冊石棉承辦商
  - Undertake **Asbestos Abatement Works (AAW)** [石棉消滅工程]



# Air Pollution Control Ordinance

## S.51 – Registered Asbestos Professional

- Registered Asbestos Supervisor 註冊石棉監管人
  - Supervise the carrying out of **Asbestos Abatement Works (AAW)**  
[監管石棉消滅工程的進行]
- Registered Asbestos Laboratory 註冊石棉化驗所
  - Conduct air monitoring , collect and analyze asbestos samples  
[進行空氣監測，採集和分析石棉樣品]



# Air Pollution Control Ordinance

## Owners of Premises must :

1. Hire a **Registered Asbestos Consultant** to carry out investigation on any asbestos which may be in the premises.
2. Submit **written notification** to EPD **28 days** before asbestos work.
3. Hire a **Registered Asbestos Contractor** to carry out AAW or implement AAP.



# Owner of Premises (處所擁有人)



- A. Registered owner of a premises  
(處所的註冊業主)
- B. Tenant (承租人) or Occupier (佔用人)
- C. Contractor who has site possession for construction work (管有工地的承建商)
- D. Management Committee (管理委員會)  
Incorporated Owner (業主立案法團)  
Property Management Company (物業管理公司)



# Air Pollution Control Ordinance

## S.69 – Investigation for Asbestos

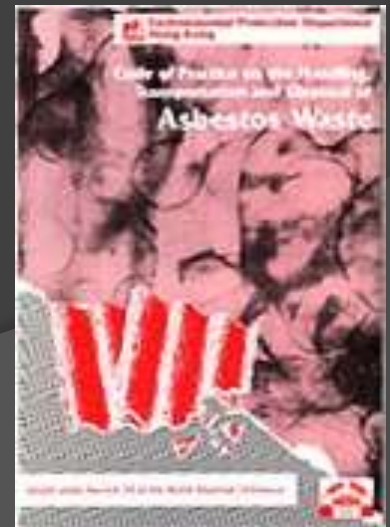
*“...The owner of premises which contain...asbestos containing material shall engage a **registered asbestos consultant** to carry out an investigation on any **asbestos containing material** which may be in the premises and submit an **asbestos investigation report** in accordance with section 70 and , if asbestos containing material is found in the premises, an **asbestos abatement plan** in accordance with section 71 at least 28 days before he carries out any intended **asbestos abatement work...**”*



# Code of Practice

## Environmental Protection Department

- ProPECC PN 2/97 : “*Handling of Asbestos Containing Materials in Buildings*”
- Code of Practice on Asbestos Control
- Code of Practice on the Handling, Transportation and Disposal of Asbestos Waste (WDO, Cap.354)



# Code of Practice

## Labour Department – Code of Practice

- **Safety and Health at Work with Asbestos**  
《石棉工作的安全與健康》

## Buildings Department – Practice Notes

- **Authorized Persons – ADV-1: “Asbestos”**  
《認可人士、註冊結構工程師及註冊岩土工程師作業備考》
- **Registered Contractors - PNRC 15 : “Asbestos”**  
《註冊承建商作業備考》



# Air Pollution Control Ordinance

## S.73: Notification of AAW commencement 石棉消滅工程的動工通知

- Premises owner must submit **written notification** to EPD at least **28 days before** asbestos abatement work commences.





# Air Pollution Control Ordinance

## S.74: Hiring of registered asbestos consultant 委任註冊石棉顧問

- ◎ The premises owner who implements an asbestos abatement work shall appoint a registered asbestos consultant to supervise the carrying out of the asbestos abatement plan

處所擁有人必須委任一名註冊石棉顧問  
監管有關石棉消滅計劃的進行



# Air Pollution Control Ordinance

## S.75: Hiring of registered asbestos contractor 委任註冊石棉承辦商

- If a Premises Owner **implements AAP or carries out work involving ACM**, he has to appoint a **registered asbestos contractor** to carry out the work.



# Air Pollution Control Ordinance

## S.75: Hiring of registered asbestos contractor 委任註冊石棉承辦商

- ◎ A registered asbestos contractor shall engage a **registered asbestos supervisor stationed continuously at the asbestos abatement area** to supervise the carrying out of the asbestos abatement plan

註冊石棉承辦商必須聘用**註冊石棉監管人**長駐在**石棉消滅區**，以監管**石棉消滅計劃**的進行



# Air Pollution Control Ordinance

## S.62 Disciplinary Proceeding 紀律程序

- When the Authority considers a registered asbestos professional (consultant, contractor, supervisor or laboratory) has committed **neglect or misconduct** (疏忽或失當行為) to the extent that the concerned party is considered **unfit to be in the register** (除名) or deserving of **censure** (譴責), the case may be referred to the Administration Committee which may conduct an **inquiry** (研訊).



# Air Pollution Control Ordinance

Exempted Items: submission of AIR/AAP  
under S.69 NOT required

- Non-woven Gaskets (非織做石棉襯墊)
- Brake & Clutch Pads (石棉摩擦製品)
- CACS (波紋石棉水泥瓦片) [Except Fire site]
- Asbestos cement water pipes (石棉水泥水管)
- Asbestos blackboard (石棉黑板)
- Insulation Cloth in Fuse Box (電掣箱石棉絕緣墊片)
- Asbestos Vinyl Floor Tiles (石棉膠地板)
- Grille Panel (石棉水泥通花磚)
- Refuse Chute (石棉水泥垃圾槽)



# Air Pollution Control Ordinance

**Exempted Items: submission of AIR/AAP  
under S.69 NOT required**

**Maintenance, repair, handling or abatement of the  
following materials installed in properties managed  
by the Hong Kong Housing Authority**

- **Grille panel (石棉水泥通花磚)**
- **Refuse chute (石棉水泥垃圾槽)**
- **Cement soil stack (石棉水泥排污管)**
- **Laboratory asbestos bench-top (實驗室石棉檯面)**



# Air Pollution Control Ordinance

## S.78: Defences 免責辯護

- Asbestos work was carried out in an **emergency situation**.  
在**緊急情況**下，進行石棉工程
- Asbestos work was carried out NOT knowing or could not have reasonably known the presence of asbestos.  
在進行石棉工程時，並不知悉或按理亦不能知悉有含石棉物料存在



# Air Pollution Control Ordinance

## S.79: Asbestos Abatement Notice 石棉消滅通知

### (1) Preventive Action : To any premises or plant that contains or may release any asbestos

- Take measures to prevent, control, reduce or eliminate asbestos release.
- Hire **registered asbestos consultant** to **prepare AIR and AAP**.
- Hire **registered asbestos contractor** to **implement AAP and carry out AAW**.
- Hire **registered asbestos laboratory** to **take sample and measure airborne asbestos fibre concentration**.





# Air Pollution Control Ordinance

## S.79: Asbestos Abatement Notice 石棉消滅通知

(2) Corrective Action : To premises owner to **suspend immediately** the activity in a premises, and require taking sufficient measures to prevent asbestos release if:

- Any visible asbestos containing material is found (e.g. dust, debris, effluent or contaminated items).
- Any visible dust, debris, etc. is found coming from an AAW work zone (containment or segregation).
- Any exceedance of airborne asbestos fibre monitoring criterion (i.e. 0.01 fibre/mL) from the premises.



# Air Pollution Control Ordinance

S.80 to 84: Banning Asbestos 禁止石棉  
(with effect from 4 April 2014)

- **Import, transshipment, supply and use** of asbestos and ACM other than goods in transit and registered proprietary Chinese medicine are now banned.
- 除豁免過境貨物及已註冊之中成藥外，不可**進口、轉運、供應及使用**所有類別石棉或含石棉物料。



# Air Pollution Control Ordinance

- Use (使用) –

- Affixing (鋪設)

- Applying (塗上)

- Spraying (噴塗)

- Installing (安裝)

on or in any premises  
(在任何處所外部或內部)

- Adding (加入)

- Mixing (混和)

- Inserting (置入)

for manufacturing or producing  
any product or substance  
(為製造或生產任何產品或物質)

- Wrapping (包裹)

any material, substance, product or article  
(任何物料、物質、產品或物品)



# Air Pollution Control Ordinance

## S.81: Defences

### 免責辯護

At the time of the alleged offence the person did not know and could not have reasonably known that the article is asbestos or asbestos containing material

如案發時並不知悉（而按理亦不可能知悉）物品屬石棉或含石棉物料



# Air Pollution Control Ordinance

## S.83: Exemption from section 80

### 免受第80條管限

If the Authority considers that the exemption

- is warranted; and
- would be unlikely to lead to a health risk to the community.

監督認為批給豁免是

- 有理據支持; 並
- 豁免相當不可能會引致社會人士蒙受健康風險



# Air Pollution Control Ordinance

## S.84: Seizure of asbestos or ACM

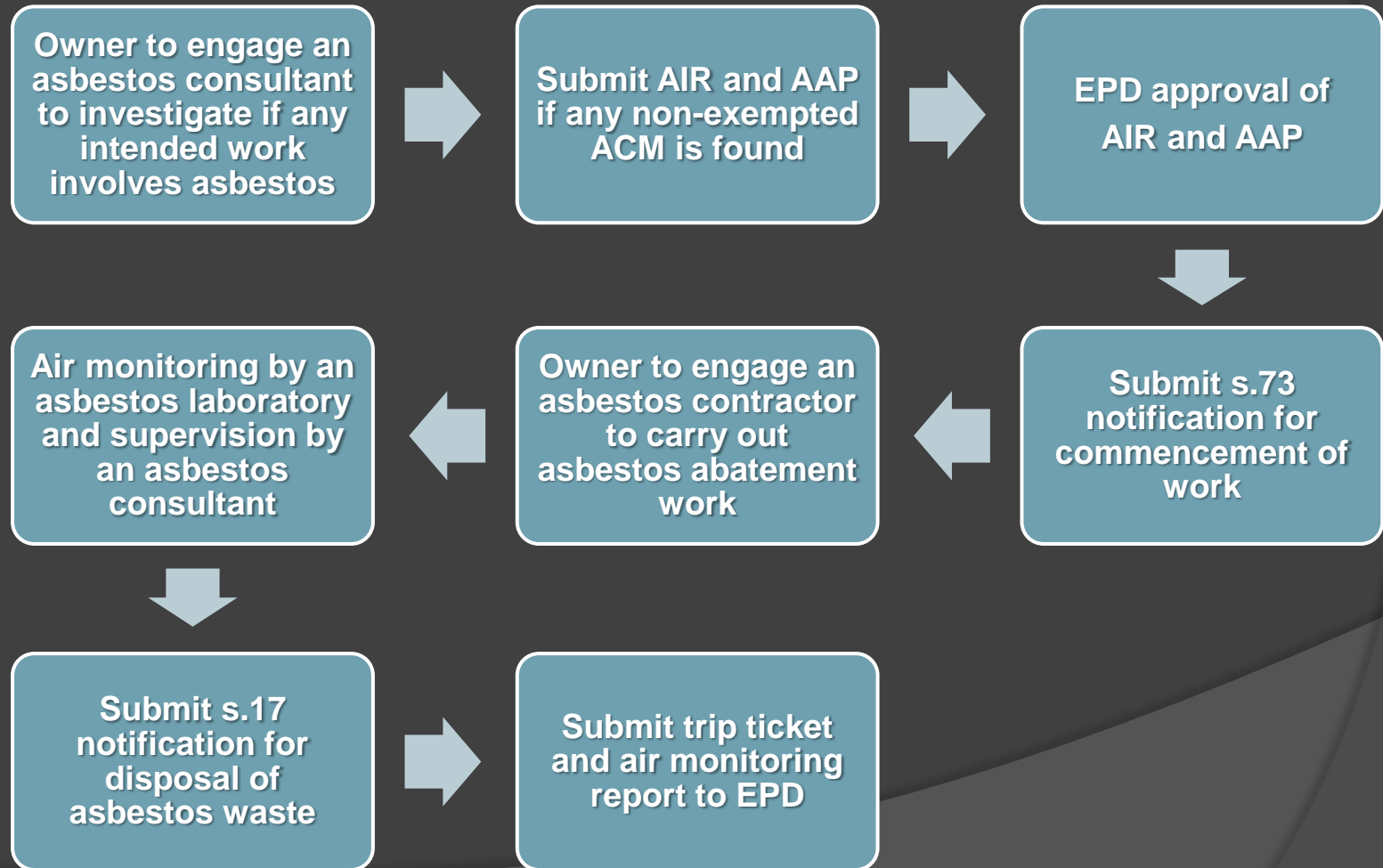
following section 80 conviction

裁定違反第80條後將石棉或含石棉物料檢取

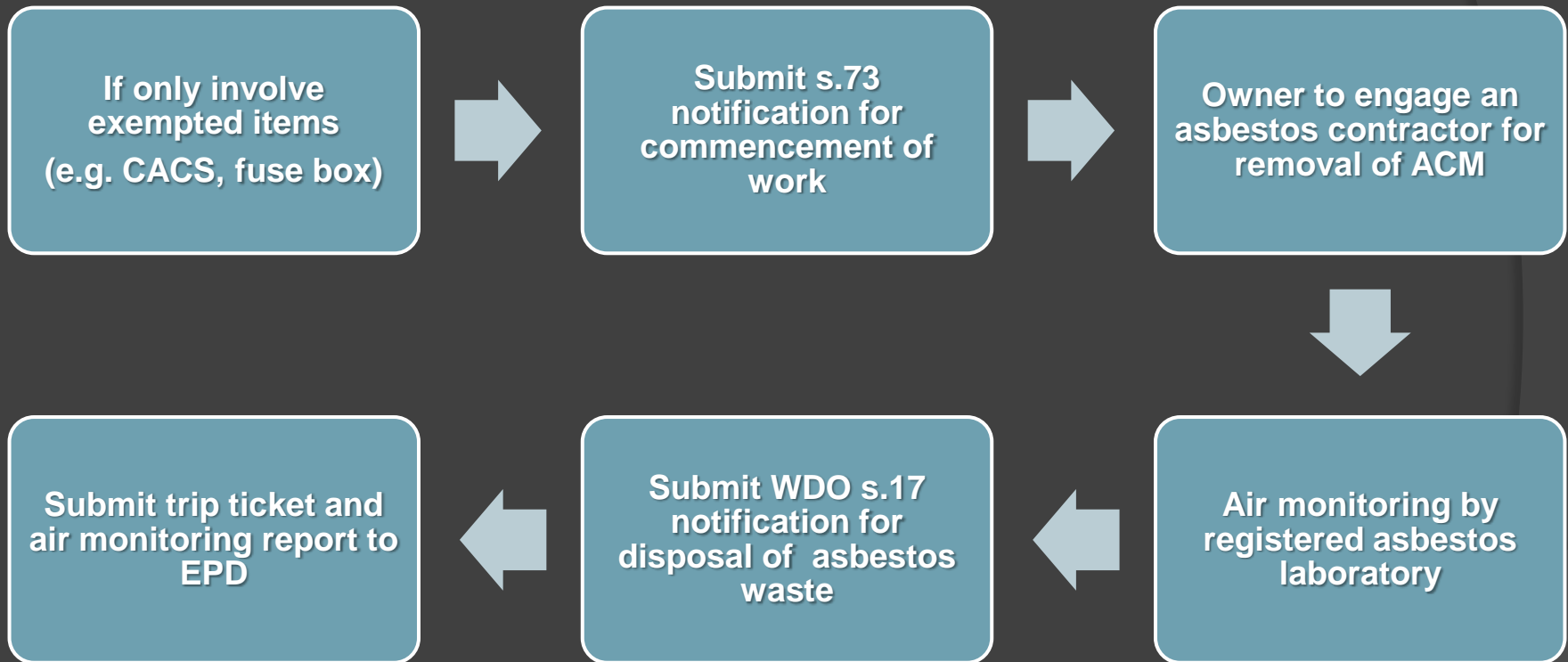
- ◎ The Authority or an authorized officer may **seize, remove, destroy or otherwise dispose of** the asbestos or ACM
- ◎ 監督或獲授權人員可**檢取、移除、銷毀或以其他方式處置**與該罪行有關連的石棉或含石棉物料



# Compliance of Asbestos Legislation (with AIR and AAP)



# Compliance of Asbestos Legislation (without AIR or AAP)





# Air Pollution Control Ordinance

## Criminal Offence

## 刑事罪行



**\*\*\$200,000 and 6 months\*\***



# USEFUL LINKS

- ◎ Department of Justice

Bilingual Laws Information System (**BLIS**)

<http://www.legislation.gov.hk/blis/eng/index.html>

- Environmental Protection Department  
(**Asbestos Control**)

<http://www.epd.gov.hk/epd/english/environmentinhk/air/asbestos/asbestos.html>



- Q & A -

