



預防蚊蟲 工具箱訓練教材

三帶喙庫蚊可傳播日本腦炎
Culex tritaeniorhynchus can
spread Japanese encephalitis

白紋伊蚊可傳播登革熱
Aedes albopictus can
spread dengue fever

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第一節 - 法例、合約條文、指引篇

香港法例第132章 第27節

〈 2006年公眾衛生及市政(修訂)條例 〉

如在任何建築地盤內積水發現蚊幼蟲或蚊蛹，
或未能改善潛在蚊子滋生地，該地盤的承建商即
屬違法。



第一節 - 法例、合約條文、指引篇

發展局技術通告 8/2010 『工地清潔及整理』

- 每日需清潔工地範圍，包括工地周邊2.5 公尺的公眾地方
- 工地整潔如達到合格水平，承建商可獲得以下的資助金額

工程合約金額	資助金額
小於 \$50M 的工程	合約金額的 2%
\$50M 至 \$100M 的工程	合約金額的 1-2%
超過 \$100M的工程	合約金額的 1%

第一節 - 法例、合約條文、指引篇

發展局技術通告 22/2003 及22/2003A

『改善工地整潔及控制蚊患』

- 承建商季度的表現評核，共分十個部分。如工地整潔或防蚊措施表現不合格，第六部份 (一般義務) 及第七部份 (業界操守) 會被評為不合格。
- 除此之外，如承建商觸犯了香港法例第132章 第27節 (公眾衛生及市政(修訂)條例)，有關記錄，也會影響承建商未來投標的競爭力。

第一節 - 法例、合約條文、指引篇

建築署指引 10/2004 『工地整潔, 控蚊及鼠患管理』 (1/3)

誘蚊產卵器指數	相應控蚊策略
一級: 小於 5 %	每日檢查工地清潔一次, 每週檢查工地整潔一次
二級: 5% 至小於 20%	在一級的基礎上, 每週加滅蚊一次
三級: 20% 至小於 40% (或所屬區域有一宗本地登革熱 / 日本腦炎個案)	在二級的基礎, 每週加滅蚊一次及檢查工地整潔一次, 另承建商每月進行一次獨立巡查
四級: 40% 及以上 (或所屬區域有二宗本地登革熱 / 日本腦炎個案)	深化以上的控蚊行動, 另部門安全及環境顧問組進行獨立審核

第一節 - 法例、合約條文、指引篇

建築署指引 10/2004『工地整潔, 控蚊及鼠患管理』(2/3)

- 備有每日及每週的檢查清單, 供工程團隊使用

Architectural Services Department		Form No. D/OL10/04.001	
Sample Inspection Checklist for Daily Cleaning			
Contract No.			
Contractor			
Contract Title			
Job Location			
Inspection Date		Inspection Time	
Checklist			
Item Description	Compliance		Remarks
	Yes	No	
(1)	Maintenance of passageways, common access and public areas free of obstruction		
(2)	Proper storage and stacking of materials		
(3)	Proper placement and storage of tools and equipment after work		
(4)	Proper storage, storage and/or disposal of waste materials in accordance with the "Waste Management Plan/Environmental Management Plan" (delete as appropriate)		
(5)	Proper securing of building, barriers, guarding, lighting and signing of works		
(6)	Prevention and removal of water ponds and flooding		
(7)	Cleaning of site/plotting and waste arising from the works		
(8)	Conditions of cleanliness and tidiness of the Site including Public Cleaning Areas in the perspective of the general public		
(9)	Other cleaning requirements as instructed by the Architect's Representative		
Note: The above items may not be exhaustive and the Contractor shall develop inspection checklist for Daily Cleaning for the approval of the Architect's Representative.			
Contractor's Checker:		Signature - _____	
Site Supervisory Staff (where applicable)		Signature - _____	

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(新工程 / 保養工程)
每日工地整潔檢查清單

Architectural Services Department		Form No. D/OL10/04.002	
Weekly Inspection Checklist on Site Cleanliness, Anti-Mosquito Breeding and Rodent Infestation Prevention			
Contract No.			
Contractor			
Contract Title			
Job Location			
Inspection Date		Inspection Time	
Checklist			
Item Description	Compliance		Remarks
	Yes	No	
Part I - Site Cleanliness			
(1)	Thorough cleaning of passageways, common access and public areas		
(2)	Re-organizing of storage materials for better utilization of storage spaces and safe stacking if appropriate		
(3)	Maintenance and re-conditioning of tools and equipment		
(4)	Cleaning of external covers for plant and equipment		
(5)	Collection and removal of disposed waste materials off site in accordance with the "Waste Management Plan/Environmental Management Plan" (delete as appropriate)		
(6)	Cleaning, re-conditioning and/or replacement of building, barriers, guarding, lighting, and signage of works to good working condition		
(7)	Cleaning of drains and channels to prevent flooding		
(8)	Other cleaning requirements as instructed by the Architect's Representative from the perspective of the general public		
Part II - Anti-mosquito Breeding (Refer to Form D/OL10/04.004 for PSD's Works)			
(1)	Removal of accumulations of stagnant water or covering of unoccupied materials with tarpaulins for all accumulations particularly for residential use		
(2)	Proper covering of all water storage tanks, removal of unnecessary stagnant water and disused containers, or applying larvicide spray to prevent mosquito breeding as the last resort		
(3)	Cutting the bamboo poles for bamboo scaffolding as near to the poles before the nodes of the poles as possible		

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(新工程)
每週工地整潔, 控蚊及鼠患
檢查清單

Architectural Services Department		Form No. D/OL10/04.004	
Weekly Inspection Checklist on Site Cleanliness, Anti-mosquito Breeding and Rodent Infestation Prevention (for Maintenance Term Contracts)			
Works Order No.		Date for Completion	
Contractor		Contract No.	
Job Location		Inspection Date/Time	
Checklist			
Item Description	Compliance (%)		Remarks
	Yes	No	
Part I - General			
(1)	Display of posters regarding site cleanliness, anti-mosquito breeding and rodent infestation prevention		
Part II - Site Cleanliness			
(1)	Thorough cleaning of passageways, common access and public areas		
(2)	Re-organizing of storage materials for better utilization of storage spaces and safe stacking if appropriate		
(3)	Maintenance and re-conditioning of tools and equipment		
(4)	Cleaning of external covers for plant and equipment		
(5)	Collection and removal of disposed waste materials off site in accordance with the "Waste Management Plan/Environmental Management Plan" (delete as appropriate)		
(6)	Cleaning, re-conditioning and/or replacement of building, barriers, guarding, lighting, and signage of works to good working condition		
(7)	Cleaning of drains and channels to prevent flooding		
(8)	Other cleaning requirements as instructed by the Maintenance Supervisor's Representative from the perspective of the general public		
Part III - Anti-mosquito Breeding			
(1)	Free from accumulations of stagnant water (e.g. catch pits, surface pond, trays etc.)		
(2)	Covering of wet areas (e.g. toilet washing facilities, etc.)		
(3)	Proper covering to all water storage tanks and disused containers; proper covering to and of the bamboo poles for bamboo scaffolding, if the bamboo is not cut near the poles before the nodes of the poles		
(4)	Conditions of vicinity - the inspection coverage to be further extended with CCTV level 1 or above as required		

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(保養工程)
每週²工地整潔, 控蚊及鼠
患檢查清單

第一節 - 法例、合約條文、指引篇

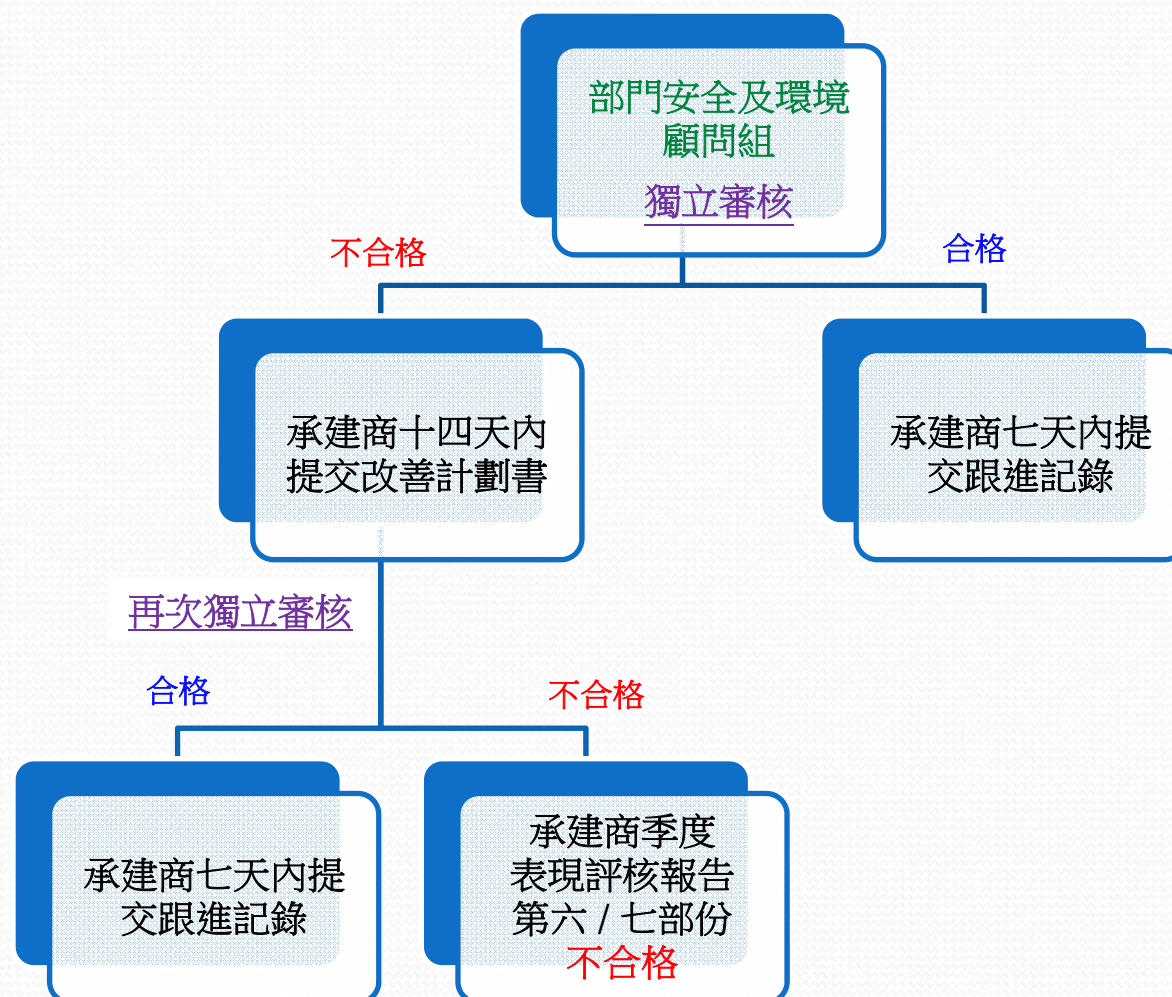
建築署指引 10/2004 『工地整潔, 控蚊及鼠患管理』 (3/3)

Architectural Services Department		Form No. D/OI.10/04.003	
Report of Independent Audit Check on Site Cleanliness, Anti-Mosquito Breeding and Rodent Infestation Prevention			
To:	(DI) officer in charge of the contract		
Contract No.			
Contract Title			
Contractor			
Contractor's Representative	Name	No.	Date of Audit Check
Items		Yes	No
1. Site Cleanliness			
a. The extent of Public Cleaning Areas, which is delineated by a drawing, is included for performing Daily Cleaning and Weekly Tidying of the Site.		04	00
b. A system on waste management and maintenance of cleanliness and tidiness of the Site is included in the Environmental Management Plan.		05	00
c. The necessary facilities, receptacles and transport for the temporary storage, disposal and removal of different types of refuse are provided.		06	00
d. Inspection checklist for daily cleaning/weekly tidying are developed by the Contractor and approved by the Architect/Maintenance Supervisor's Representative.		07	00
e. The inspection checklist for daily cleaning/weekly tidying include all necessary items to be checked against for each work location pursuant to sub-clause (c) (ii) under Particular Specification for Daily Cleaning and Weekly Tidying.		08	00
f. The inspection Checklist for daily cleaning/weekly tidying are regularly reviewed, updated and submitted to the Architect/Maintenance Supervisor's Representative for approval whenever there is a change in work nature or work location on site.		09	00
g. The Contractor has assigned designated person(s) to conduct daily cleaning/weekly tidying inspections using the approved checklist.		10	00
h. The Contractor has kept photographs and records of daily cleaning/weekly tidying inspection.		11	00
i. The Contractor has notified the Architect/Maintenance Supervisor's Representative for re-inspection on completion of improvement actions required after daily cleaning/weekly tidying inspection.		12	00
j. Food materials and refuse are disposed properly in covered rubbish bins and are cleared daily.		13	00
2. Site Management Issues			
a. Posters regarding anti-mosquito breeding and site cleanliness are displayed.		14	00
b. Tool-bins/talks regarding mosquito control are arranged.		15	00
c. The Contractor has addressed site cleanliness and mosquito control in the SSC meeting monthly meeting.		16	00
d. In case of L3 or above or equivalent, the Contractor has assigned a competent person independent of the site to conduct auditing of the site and its surroundings at least once per month to ensure proper implementation of anti-mosquito measures, and to recommend any measures or need for improvement.		17	00
e. The Contractor has addressed site cleanliness and mosquito control in the monthly safety report (i.e. site safety and training records).		18	00
f. The Contractor has incorporated in his inspection checklist with block spot location map and recorded the findings in inspection report.		19	00
g. The contractor has addressed site cleanliness and mosquito control in weekly coordination meetings and monthly SSCMC / SSCC meetings (with improvement plan in case of discovery of mosquito breeding by FEHD or unsatisfactory audit report).		20	00
h. The Contractor has kept record on daily/weekly inspection with supervisory staff (in case of L3 or above or equivalent, weekly inspection shall be at least twice per week).		21	00
i. The Contractor has a prosecution scheme to report mosquito (A/B levels) found on site.		22	00

獨立審核清單

需要審核的工地一般會:

- (1) 處於蚊患嚴重的區域; 或
- (2) 經部門安全及環境顧問於評估後揀選



第二節 - 登革熱認識篇

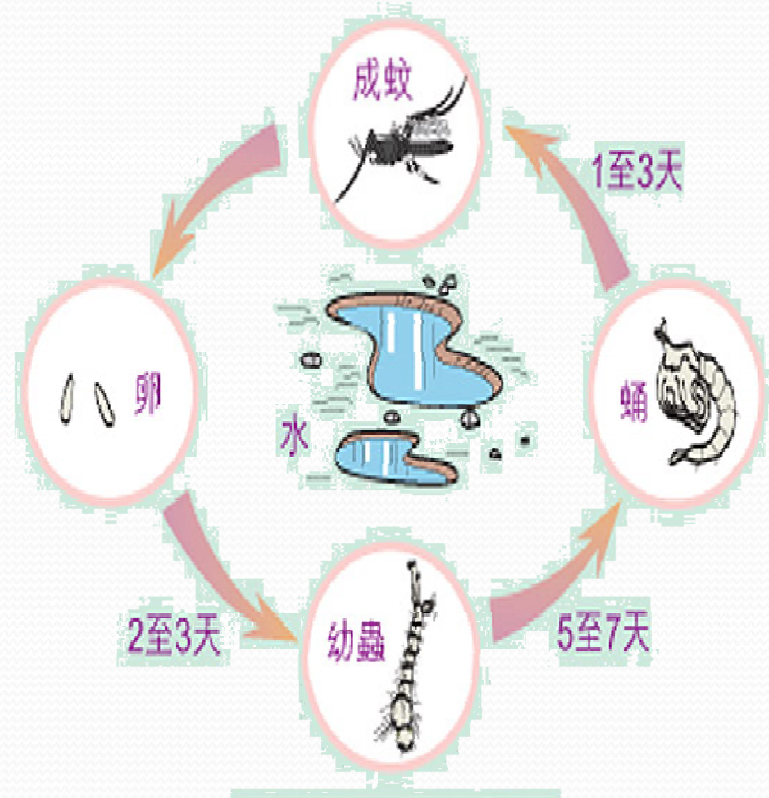
病媒 (白紋伊蚊)

<壽命>

- 雄蚊能活1星期，雌蚊能活 3 星期

<產卵>

- 由卵變為成蟲，平均需時七天
- 在產卵前必須吸血一次
- 產卵約100至300個
- 卵的抗旱力很強



第二節 - 登革熱認識篇

白紋伊蚊的生活習性

- 吸血高峰期出現於日出後兩小時內及日落前兩小時內
- 成蚊飛行距離約100米
- 幼蟲在細水體也可中滋生，常見於市區或郊區



第二節 - 登革熱認識篇

登革熱類別

登革熱 出血症

病者可惡化至出血性登革熱，並進一步出血、休克，嚴重時可引致死亡，而死亡率可達40%



典型 登革熱

- 病毒可分為四類型 (1,2,3,4 型)，死亡率約 5%
- 潛伏期為三至十四天，常見為四至七天
- 會有三至五日的高燒、嚴重頭痛、後眼窩疼痛、關節及肌肉疼痛、出疹、噁心嘔吐、牙肉和鼻孔出血
- 病情嚴重者可出現進一步出血及休克，甚至死亡

第三節 - 日本腦炎認識篇

病媒 (三帶喙庫蚊)

- 繁殖及成長與白紋伊蚊相似
- 成蚊常於晚間活動及在入黑後一小時最為活躍
- 主要在積水滋生，如荒田、水流慢的渠道或水溝等
- 成蚊飛行距離約 2000米
- 嗜吸禽畜血，亦會叮咬人。在香港，候鳥和豬場最有可能成為日本腦炎的源頭



傳播途徑

第三節 - 日本腦炎認識篇

- 死亡率可高達 35%
- 潛伏期：5 至 15 天
- 初病時有高燒、嚴重頭痛、噁心、嘔吐、怕光。病發後三至五日起神志不清、頸硬、抽筋、甚至昏迷
- 康復後可能有神經系統の後遺症



第四節 - 控制措施策略篇



(一) 工地整潔管理



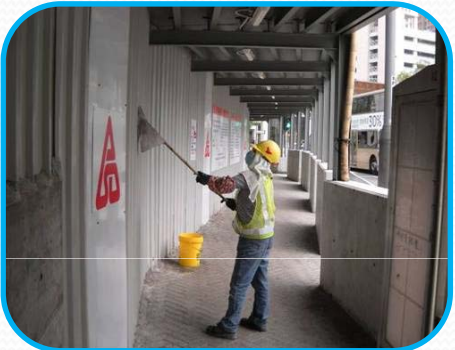
(二) 控蚊管理



(三) 鼠患管理

第四節 - 控制措施策略篇

(一) 工地整潔管理 (1/3)

(1)	打掃工地範圍，通道及周邊的公眾地方 [整潔的標準，需由公眾人士的角度去衡量]		
(2)	物料妥善儲存和堆放		
(3)	工作後，妥善存放工具和設備，並定期維修保養工具和設備		

第四節 - 控制措施策略篇

(一) 工地整潔管理 (2/3)

(4)	建築廢料的分類，存放及丟棄需按照環境管理計劃書處理		
(5)	檢查圍街板，圍欄，照明等是否妥善穩固		
(6)	預防及清理工地積水		

第四節 - 控制措施策略篇

(一) 工地整潔管理 (3/3)

(7)	建築廢料堆存 應定時棄置		
(8)	清洗機械外殼		
(9)	清理渠道以防止淤塞		

第四節 - 控制措施策略篇

(二) 控蚊管理 (1/3)

(1)	將泥頭清理或用帆布覆蓋		
(2)	覆蓋所有的儲水罐，去除廢棄容器，把凹凸不平的地面填平		
(3)	塞好或包好竹棚向上的竹端或把該竹端切去，以免藏水引致蚊患		

第四節 - 控制措施策略篇

(二) 控蚊管理 (2/3)

(4)	清理或覆蓋露天範圍內的器皿、縫隙或窪地，例如手推車、車呔、空罐、水桶、竹尾、坑穴、井溝、戶外儲存建築物料等	   
(5)	在未能清除積水的地方使用蚊油或蚊沙，每週至少一次。如在誘蚊產卵器指數第三級或以上的範圍內，次數增加到每週至少兩次	 

第四節 - 控制措施策略篇

(二) 控蚊管理 (3/3)

(6)	在誘蚊產卵器指數第四級的範圍內，安裝滅蚊裝置。第三級時，在可行的情況下，也需安裝滅蚊裝置。	 
(7)	準備一份工地潛在蚊患地方的名單，將其位置劃在平面圖上，以便進行監督。	 
(8)	防蚊個人防護，穿著淺色長袖衫和長褲，於外露的皮膚搽上驅蚊劑	 

第四節 - 控制措施策略篇

(三) 鼠患管理

(1)	<u>斷絕老鼠食物來源</u> • 將食物貯存於有蓋容器內; • 將食物殘渣棄置於有蓋的垃圾箱內，並每天清倒		
(2)	<u>清除老鼠藏身之處</u> • 避免建築材料或廢料長期堆積; • 用適當的物料（如金屬片）遮蔽貨櫃辦公室底部，令空隙不多於6毫米		
(3)	<u>防止老鼠從外進入地盤</u> • 圍板之間或離地面的距離，不多於6毫米; • 檢查卸下的建築材料，以防止老鼠被一併帶進地盤		

第五節 - 常見的工地黑點篇

地盤渠井



隱蔽井位積水



匙孔及隔氣積水



井蓋凹位積水



線井堵塞積水



去水渠堵塞積水



沙井隔氣渠位積水

第五節 - 常見的工地黑點篇

物料存放



地面不平積水



容器或物料凹位積水



存放物料積水



卡板底積水



帆布縐摺積水



存放鑽筒組件積水

第五節 - 常見的工地黑點篇

臨時設施



工字鐵橫撐凹位積水



發電機底盤積水



預制件凹位積水



貨櫃底積水



貨櫃頂不平蓋板積水



冷氣機底盤積水

第五節 - 常見的工地黑點篇

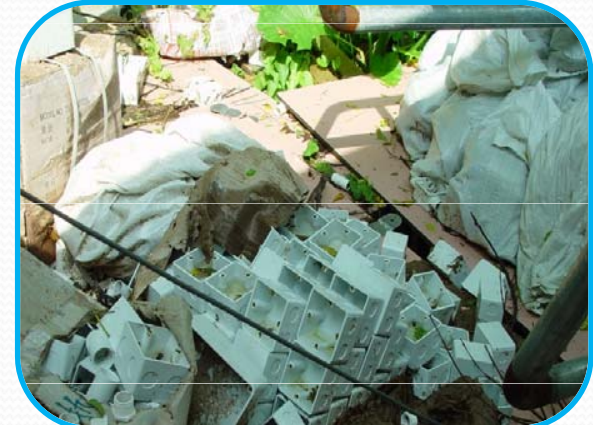
其它



升降機槽底積水



不平石屎面積水



電線底座盒積水



過長雜草積水



天秤槽底積水



照明光管罩積水

多謝