

Chapter 01572

Environmental Protection

1. 通則

1.1 本章概要

說明 Contractor 於工程施工期間，應辦理本工程之各項環境保護工作。

1.2 相關準則

1.2.1 環境保護相關法規

- (1) 空氣污染防制法
- (2) 水污染防治法
- (3) 噪音管制法
- (4) 廢棄物清理法
- (5) 環境影響評估法
- (6) 空氣污染防制法施行細則
- (7) 水污染防治法施行細則
- (8) 噪音管制法施行細則
- (9) 事業廢棄物貯存清除處理方法及設施標準
- (10) 環境影響評估法施行細則
- (11) 營建工程空氣污染防制設施管理辦法

1.3 工作範圍

本工作範圍包括本工程施工中空氣污染防制、水污染防治、噪音振動管制、廢棄物處理、防杜紅火蟻入侵及其他未列之相關環保設施, Contractor 應依據相關環評承諾事項、環境保護相關法令及本規範規定, 辦理本工程各項環境保護工作, 相關環評承諾事項請詢工程經辦組及品質組。

1.3.1 環境保護管理:

- (1) 為防止 Contractor 在 TPC 單位現場施工時, 造成環境污染問題, 進而引發周遭居民之抗爭、糾紛.....等事件, 特訂定本規定. 本規定未載明者, Contractor 必須依照政府頒定之環境保護法令有關規定辦理, 確實做好環境保護之各項相關工作.
- (2) Contractor 應於施工前提出環境保護計畫, 送請 TPC 工程經辦組及品質組核備後實施. 其計畫內容包含: 1.成立環境保護管理組織. 2.訂定環境保護管理工作計畫: 包括土壤污染防治、空氣污染防制、水污染防治、噪音振動管制、廢棄物清理、防杜紅火蟻擴散蔓延等環境保護措施事宜. 3.訂定自主環境保護檢查表. 4.建立文件檔案及紀錄管理系統.

- (3) Contractor 對於 TPC 交付承攬之工程應負符合最新環境保護相關法令規定之一切責任，其再承攬者亦同。Contractor 對於容易產生污染、噪音之施工機具、設備、施工方法等，應事先加以規劃，避免問題之發生。
- (4) Contractor 應指派本工程之環境保護管理人員，於施工前向 TPC 工程經辦組提報(營繕工程契約金額達查核金額以上者，Contractor 環境保護管理人員須具備乙級以上空氣污染防治專責人員資格)，經 TPC 工程經辦組彙理後，送品質組備查，該員負責執行相關環保法令之規定及維護工作場所之整潔，本工程施工期間如因施工造成之環保糾紛而影響施工進度時，概由 Contractor 自行負責，並不得以此申請展延工期。
- (5) Contractor 指派之環境保護管理人員，應常駐工地，且應配合 TPC 上班時間，分別於上、下午上班一小時內至 TPC 工程經辦組簽到，並隨時與 TPC 人員商討或協調環境保護工作事宜，Contractor 現場未出工及假日可免簽到，但工地現場仍需符合環保法令規定，如有違反，致 TPC 遭受環保主管機關罰鍰時，概由 Contractor 負責繳款。
- (6) Contractor 環境保護管理人員，因故未能執行職務時，須指定具同等級法定證照之代理人，暫代其職務以每月不超過十日內為限，並正式以書面向 TPC 經辦組報備並會品質組，此代理人暫代職務期間仍比照本款第(5)目規定辦理。
- (7) Contractor 環境保護管理人員或代理人，未依本款第(5)目規定按時至 TPC 工程經辦組簽到時(上、下午各一次)，每次罰款新台幣壹仟元，一個月內未簽到次數若超過 10 次時，Contractor 須撤換環境保護管理人員，如 Contractor 仍不撤換環境保護管理人員時，TPC 得拒絕該員簽到並按未簽到罰款方式辦理。
- (8) Contractor 應於投標前詳查工程性質、環境，詳細估算本工程所需之環保設施及相關管理費用，Contractor 不得因低估環保設施及相關管理費用而向 TPC 要求補償，並敷衍或不執行環保設施工作。
- (9) 營建工程進行期間，工地標示牌刪除(Attachment 01572-1)，內容營建工程空氣污染防治費徵收管制編號、工地負責人姓名、電話及當地環保機關公害檢舉電話號碼應載明於工地告示牌。

1.3.2 環保設施:

(1) 空氣品質:

- A. Contractor 應使用狀況良好之施工機具及施工車輛，並做好保養維護工作，避免排放黑煙，影響空氣品質；Contractor 應儘量避開上、下班交通

尖峰時間運輸，以減輕沿途空氣污染之負荷。

- B. Contractor 於營建工程進行期間，應於營建工地周界設置定著地面之全阻隔式圍籬及防溢座(10cm 以上)，第一級營建工程者，其圍籬高度不得低於 2.4M，第二級營建工程者，其圍籬高度不得低於 1.8M。
- C. Contractor 於施工區域內車輛來往頻繁之施工路線，車輛應依工地道路「速限」規定行駛，路面如有被破壞時，應依 TPC 指示修復。所屬裝載車輛駛出工地前應確實沖洗輪胎、車身，避免污染通過之道路。倘若仍有污染廠區道路情形發生時，Contractor 應即時派灑水車及人員沖洗乾淨。
- D. 營建工地內施工車輛車行路徑，應採行下列之一有效抑制粉塵之「防制設施」：1.鋪設鋼板 2.鋪設混凝土 3.鋪設瀝青混凝土 4.鋪設粗級配或其他同等功能之粒料等。前項防制設施，屬第二級營建工程者，需達車行路徑面積之 50%，屬第一級營建工程者，需達車行路徑面積之 80%以上，鋪面應定期清洗或灑水，避免塵土飛揚。
- E. Contractor 裝載土方(砂石)車輛不可超載、超速，運輸車輛應覆蓋防塵布或其他不透氣覆蓋物，並捆紮牢固，且邊緣應延伸覆蓋至車斗上緣以下至少 15cm，做好防止土石滑落、飄散.....等防護措施，以減少污染之發生。
- F. Contractor 於營建工程結構體之施工架(鷹架)外緣，設置有效抑制粉塵之「防塵網或防塵布」等措施，並應定期派員巡視施工區外四周環境，若有因本工程而導致環境污染者，應派員清理，並加強防制，以防再次污染。
- G. Contractor 於工區內嚴禁任意棄置或堆放易產生惡臭或有毒之物品，並嚴禁燃燒物品及廢棄物，營建工地內堆置具粉塵逸散性之工程材料、砂石、土方或廢棄物等應覆蓋防塵布或防塵網等有效措施。
- H. Contractor 於營建工地內上層具粉塵逸散性物料輸送至地面或地下樓層時，應採行藉由電梯孔道、建築物內部管道、密閉輸送管道或人工搬運等方式，且輸送管道出口，應設置可抑制粉塵逸散之圍籬或灑水設施。
- I. Contractor 於營建工程內裸露地表，應採行下列之一有效抑制粉塵之「防制設施」：1.覆蓋防塵布或防塵網 2.鋪設鋼板、混凝土、瀝青混凝土、粗級配或其他同等功能之粒料 3.植生綠化 4.地表壓實且配合灑水措施 5.配合定期噴灑化學穩定劑 6.配合定期灑水。前項防制設施，屬第二級營建工程者，應達裸露地面積之 50%以上，屬第一級營建工程者，應達裸露地面積之 80%以上。
- J. 施工機具、動力機械應使用含硫量 50ppmw 以下之柴油，並定期保養留存紀錄備查，如使用不合格油品致 TPC 受罰，概由承攬商負責繳納。

(2)噪音:

- A. Contractor 應妥善規劃施工時間，避免於各縣(市)政府公告「限制營建工程從事夜間施工之行為」規定之管制時間內施工。Contractor 應儘量避免使用高噪音之施工機具，基礎如為樁基，其打樁設備應避免採用鎚擊式，其標準應符合營建工程噪音管制標準。
- B. 具有方向性之機械噪音，應調整機具，使音量較大的一端背向噪音敏感地區，以降低噪音。
- C. 與附近居民保持良好關係，尋求民眾的諒解，相互妥協。對周遭環境有妨礙時，應視實際需要考慮設置防制措施。

(3)振動:

Contractor 應儘量避免使用產生高振動之施工機具，以免影響鄰近居民之安寧。

(4)水污染:

- A. Contractor 所使用或產生之油品、化學品、廢棄物化學品、廢液、清洗容器之廢(污)水或其他污染物應妥善放置、處理，不得棄置或排放於地面、水體。
- B. Contractor 於施工中產生之廢(污)水須經處理後方可排出廠外。
- C. Contractor 於營建工程施工中應做好水土保持工作，依「水污染防治措施及檢測申報管理辦法」第 9 條規定，設置沉砂池，避免降雨沖刷使土壤流失污染附近水體。工區範圍之水溝、沉砂池(該 Contractor 使用範圍)為避免泥濘及垃圾淤塞，Contractor 應隨時派人檢視、清理，並留存紀錄清理時間及方法供 TPC 備查。

D. Contractor 設置沉砂池應符合下列規定:

- ① 總設計容量依規定以標的工程施工範圍面積即工地或作業場所範圍總面積乘以 0.025M 以上。
- ② 非下雨期間最高液面距池頂高度應大於池深之二分之一。
- ③ 底層及四周應採不透水材質(例如水泥)。

(5)事業廢棄物:

- A. Contractor 開挖出之土石方應依工程契約規定辦理外，不可任意棄置或運出廠區外，如有違反，致 TPC 遭受當地主管機關罰鍰時，概由 Contractor 負責繳款。
- B. Contractor 於廠區道路旁裝卸工程材料或施工機具後，其遺留或散落地面之廢棄物，應隨時清理乾淨。

- C. Contractor 應設置符合環境衛生標準之臨時廁所及垃圾桶，工區須保持整潔。
- D. Contractor 於每日工作完畢時應將當日產生之廢棄物、垃圾分類收集，並以適當容器貯裝，定期委託合格之廢棄物清除處理公司清除，並向公民營廢棄物處理機構(或清理機構)索取事業廢棄物妥善處理文件紀錄文件(如 Attachment 01572-6)，其填寫事項詳(如 Attachment 01572-7)事業廢棄物妥善處理紀錄文件填表說明。
- E. Contractor 須按規定每季結束後 10 日內提送上開文件至本處工程經辦組及品質組備查，除因停工因素或能具體證明未產出事業廢棄物外，凡未依規定按時提送事業廢棄物妥善處理紀錄文件者，每次罰款 NT\$2,000。
- F. 施工時產生之廢棄物(含水肥)，須依照「廢棄物清理法」、「事業廢棄物貯存清除處理方法及設施標準」等相關規定辦理，並於工地施工前將訂定之「委託廢棄物清理合約書」提送工程經辦組及品質組備查。

(6) 防杜紅火蟻入侵:

- A. Contractor 所經辦各項工程，凡涉及綠美化、建築等工程，所提供之苗木、草種、草皮、土壤、土石方及砂石等，均須事前具結不得帶有紅火蟻之證明書，送工程經辦組審查核可後方可使用。
- B. 疑似遭受紅火蟻入侵時，Contractor 須主動通知工程經辦組及檢送標本至鄰近農業改良場鑑定，並配合疫情防治中心防杜紅火蟻擴散蔓延。
- C. 上述整治復育所須費用，除本工程契約另有規定外，概由 Contractor 負責支付。

1.3.3 工地環境保護作業之執行:

- (1) Contractor 環境保護管理人員，應於每日下班前填寫當天環境保護自主檢查表(如 Attachment 01572-2)，並於次日中午 12 時前(遇假日得順延)送 TPC 工程經辦組，經 TPC 工程經辦組核章後留存備查。
- (2) TPC 工程經辦組依據 Contractor 填送之環境保護自主檢查表至現場進行不定期環境保護稽查作業(每週至少一次)，針對 Contractor 自填項目逐一查對，如有未符合規定者，立即當場要求 Contractor 進行改善，若無法立即改善者即發出改善通知單(如 Attachment 01572-3)要求 Contractor 限期改善，或逕開列 Contractor 違反契約環境保護規定罰款通知單。
- (3) 符合下列情形之一者，屬第一級營建工程:

- A. 建築工程: 施工規模達 4,600(m³·月)以上者.
- B. 道路、隧道工程: 施工規模達 227,000(m³·月)以上者.
- C. 管線工程: 施工規模達 8,600(m³·月)以上者.

- D. 橋樑工程: 施工規模達 618,000(m³·月)以上者.
- E. 區域開發工程: 施工規模達 7,500,000(m³·月)以上者.
- F. 其他營建工程: 工程合約經費達 NT\$1,800,000 元者.

前項施工規模指施工面積(m³)與施工工期(月)之乘積, 施工工期每月以 30 日計算.

第一級以外之營建工程, 屬第二級營建工程.

- (4) 在施工期間或驗收完成前, 如因 Contractor 執行環保不力, 導致 TPC 受到環保主管機關單位開立罰單時, 經 TPC 通知 Contractor 於繳款期限三日前未繳款時, 概由 TPC 先行代繳, 代繳費用在 Contractor 工程款內扣款, 並另對 Contractor 不繳罰款之行為處以 10 萬元之罰款, 罰款費用在 Contractor 工程款內直接扣繳.
- (5) Contractor 應於竣工後規定期限內辦妥臨時設備拆收及工地環境清理, 並通知 TPC 工程經辦組勘驗, 經查驗確實將施工期間所衍生廢棄物清除完畢後, 方可遞送聯絡簽會品質組備查.
- (6) 本章內如有未載明事項或新修訂法規內容較原法規要求嚴謹者, 須依照有關最新環境保護相關法令及 TPC 有關規定辦理.
- (7) 縣(市)政府若要求簽訂「營建工程污染管制計畫街道認養同意書」(如 Attachment 01572-8)時, Contractor 不得拒絕.

1.3.4 設置臨時貨櫃辦公室或庫房

- (1) Contractor 如需要設置貨櫃辦公室或庫房, 應於工程施工期間填寫 “TPC Northern Construction Office 設置貨櫃辦公室或庫房申請單” (如 Attachment 01572-4), 送工程經辦組核章後, 會品質組、電務組轉陳主管副處長核章後, 方得在本處指定地點設置, 本處如有需用時, 得隨時以書面通知 Contractor 於期限內無償清離貨櫃及地上物, Contractor 若未遵辦時, 本處得按日罰款.
- (2) 廠商應根據申請編號, 製作貨櫃告示牌(如 Attachment 01572-5)掛置於屋外門右上方.

- (3) 貨櫃辦公室應放置急救藥品，每間貨櫃辦公室或每間庫房外均應掛置 20 磅 A B C 型火災用乾粉滅火器壹支。
- (4) 禁止人員在貨櫃內賭博、飲酒或其他不法行為，如被發覺除依法送辦外，Contractor 應負連帶責任。
- (5) 貨櫃周圍除經特別核准者，不得堆放器材，禁止隨處丟棄垃圾，並應負責維持貨櫃周圍環境整潔。
- (6) 貨櫃內不得舉炊，且不得使用電爐或電熱器，下班後應熄滅室內燈火及鎖閉門窗。
- (7) 貨櫃內除特別申請經本處核准有案之看守人員可住宿外，不得有其他人員居住。
- (8) 貨櫃區內禁止設置加工場所。
- (9) 貨櫃設置後，若 TPC 因工程需要得要求 Contractor 遷移貨櫃至 TPC 重新指定之地點，Contractor 應無條件配合並不得要求任何補償。
- (10) 工程完成驗收前，應將貨櫃運出本處工區，並將貨櫃周圍環境清理乾淨，恢復原狀。否則按契約規定除工程尾款不予給付外，並得以工程逾期論處。

1.3.5 Attachment

Attachment 01572-1	“del”]
Attachment 01572-2	“ [TPC Northern Construction Office - Contractor 環境保護自主檢查表]
Attachment 01572-3	“TPC Northern Construction Office - Contractor 環境保護改善通知單”
Attachment 01572-4	“TPC Northern Construction Office 設置貨櫃辦公室或庫房申請單”
Attachment 01572-5	“貨櫃告示牌”
Attachment 01572-6	“事業廢棄物妥善處理紀錄文件”
Attachment 01572-7	“事業廢棄物妥善處理紀錄文件填表說明”
Attachment 01572-8	“營建工程污染管制計畫街道認養同意書”
Attachment 01572-9	“TPC Contractor 違反契約環境保護規定罰款通知單”]

TPC Northern Construction Office
Contractor 環境保護自主檢查表

Attachment 01572-2

工程 名稱	日期	年 月 日	
		編號	
點檢項目		Contractor 自行檢查	檢驗員抽查 結果
一、空氣污染項目			
1. 工地周界依規定設置定著地面之圍籬，高度不得低於 2.4M.		()	()
2. 工程材料、砂石、土方或廢棄物，且其堆置於營建工地者，應採行下列有效抑制粉塵之防制設施之一：覆蓋防塵布/網、配合定期噴灑化學穩定劑。		()	()
3. 車行路徑應採行下列防制設施之一：鋪設鋼板、鋪設瀝青混擬土、鋪設粗級配或其他同等功能之粒料，並配合定期灑水。		()	()
4. 裸露地表是否採行有效抑制粉塵防制設施如(覆蓋防塵布或防塵網、鋪設鋼板、粗級配等)並配合定期灑水。		()	()
5. 車行出入口設置洗車台(含廢水收集坑、沉砂池，洗車水要乾淨)或高壓沖洗機。		()	()
6. 工地結構體施工架外緣，張掛有效抑制粉塵之防塵網或防塵布，10M 以下設防塵布，10M 以上設防塵網。		()	()
7. 上層具粉塵逸散性之工程材料、砂石、土方或廢棄物輸送至地面或地下樓層，應採行可抑制粉塵逸散方式：電梯孔道、建築物內部管道、密閉輸送管道、人工搬運。		()	()
8. 運載砂石車輪防塵布緊密覆蓋，邊緣應延伸覆蓋至車斗上緣以下 15cm.		()	()
9. 運輸、施工車輛或操作機具無揚塵、排放黑煙、漏油或超速超載。		()	()
10. 其他		()	()
二、水污染項目			
1. 洗車池排水溢放點、排放點濁度是否偏高?是否污染水質?		()	()
2. 工地逕流廢水先經沉砂池沉澱後才排出工地，沉砂池需定期清除積砂並留有紀錄。		()	()
3. 工區內廢水是否妥善處理後排放?排水系統是否保持暢通?		()	()
4. 其他		()	()
三、廢棄物處理			
1. 工程廢土、棄土是否運送到 TPC 指定或經主管機關核准場所?		()	()
2. 工區是否設置一般及資源回收垃圾桶分類收集，並按規定清理生活廢棄物?		()	()
3. 工區內事業廢棄物是否集中存放，並隨時清理?		()	()
4. 其他		()	()
四、噪音振動			
1. 施工機具無產生嚴重噪音，影響環境安寧?		()	()
2. 採撞擊式施工法所產生之震動是否影響鄰近地區居民之安寧?		()	()
3. 其他		()	()
五、不合格事項之處理:			
1. 點檢項目均依環保法令規定，務必確實填寫。			
2. 以上項目點檢合格者請打 “O” 表符合規定，不合格者打 “X” 表不符合承攬契約環境保護規定，不適用之欄位應填 NA，勿留空白。			

Contractor 檢查人員:

環境保護管理人員:

工地負責人:

TPC 工程經辦組

查核員:

課長:

經理:

TPC Northern Construction Office

Contractor 環境保護改善通知單

檢查日期: 年 月 日 時

通知書編號: _____

1. Project: _____
2. Contractor: _____
3. 所列缺失事項應於 月 日前改善完妥, 並請於改善完成後, 立即將本通知書回覆品質組(或工程經辦組).
4. 品質組(或工程經辦組)接獲改善完成之通知書後, 即會同工程經辦組(或品質組)派員進行複驗.
5. 若屆期仍未改善, 依 Contractor 違反契約環境保護規定罰款辦法, 連續罰款至改善完妥為止.

發現缺失地點	
違規事項	<p style="text-align: center;">經辦員: 課長: 經理: 主管:</p> <p style="text-align: center;">品質組 或 工程經辦組</p>
改善處理情形	<p style="text-align: center;">Contractor:</p>
複驗結果	<p>品質組: 工程經辦組:</p>

備註: 1.本單一式三聯: (1)送 Contractor. (2)送品質組存查. (3)送工程經辦組存查
二、檢查單位係品質組或工程經辦組.

品質組 經辦員: 課長: 經理: 主管:
or
工程經辦組

TPC Northern Construction Office
設置貨櫃辦公室或庫房申請單

1. 本_____承包貴處_____工程，必須在指定區設置
臨時
貨櫃辦公室_____間 (尺寸: _____)
庫房_____間 (尺寸: _____)
，並遵守貴處管理規定。

2. 自 年 月 日使用至 年 月 日竣工後拆除。

申請人: 年 月 日

經辦組:

經辦: 課長: 經理:

3. 加會:

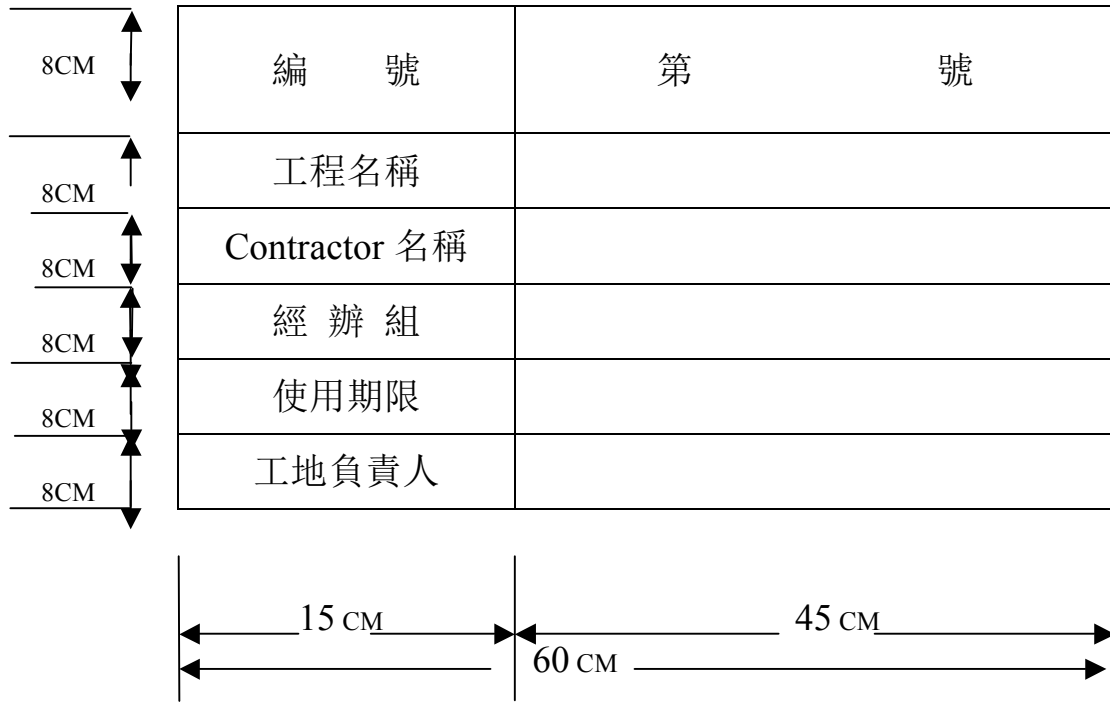
品質組

電務組

陳副處長

- “Note” 1. 陳核准後請依本處設置臨時貨櫃辦公室或庫房規定辦理，本處如有需用時，得隨時以書面通知 Contractor 於期限內無償清離貨櫃及地上物，Contractor 若未遵辦時，本處得按日罰款。
2. 本申請單填寫一式三份，分送工程經辦組、品質組各乙份，乙份承包商自存備驗。

貨櫃告示牌



說明:

- 一、材質: 鋁合金板(寬 60 cm ×高 48 cm 厚 2mm 以上)
- 二、規格: 如 圖
- 三、綠底白字, 編號以阿拉伯數字書寫.

事業廢棄物妥善處理紀錄文件

1.聯單編號										
2.事業機構		3.清除者								
4.處理者或最終處置者		5.清運日期及時間								
6.廢棄物清除機具車號										
事業廢棄物描述										
7.產生行業別	8.製造程序	9.原廢棄物代碼	10.物種	11.物理性質	12.有害特性	13.主要(有害)成分	14.清理方式	15.廢棄物顏色	16.容器數量	17.廢棄物重量(公噸)
18.處理場(廠)地址(或最終處置場(廠)地址)										
19.處理方法										
20.處理(場)廠收受日期及時間 (或最終處置收受日期及時間)										
21.處理(場)廠完成日期及時間 (或最終處置完成日期及時間)										
茲保證上述事業所委託之事業廢棄物已妥善處理(許可內容如 Attachment) 處理者 :(請蓋機構印鑑及負責人簽名蓋章) 負責人 : 處理技術員 :(簽名蓋章) 中華民國____年____月____日										

事業廢棄物妥善處理紀錄文件填表說明

一、依據事業廢棄物清理法第三十條第二項規定訂定本「事業廢棄物妥善處理紀錄文件」格式，如附。

二、本「事業廢棄物妥善處理紀錄文件」格式填表說明：

(一)紀錄文件欄位填寫：

1. 聯單編號：事業廢棄物網路申報遞送聯單編號或有害事業廢棄物遞送聯單編號。若無上述二者法定聯單，得以自用聯單之編號替代。
2. 事業機構：事業之全名。
3. 清除者：清除廢棄物之事業全名，如由事業自行清除者，請填寫「自行清除」。
4. 處理者或最終處置者：處理或最終處置機構全名。
5. 清運日期及時間：收集及運輸事業廢棄物之日期及時間。
6. 廢棄物清除機具車號：運輸事業廢棄物至處理機構之車輛車號。
7. 產生行業別：事業廢棄物之產生行業別。
8. 製造程序：事業廢棄物之製造程序。
9. 原廢棄物代碼：事業廢棄物之原廢棄物代碼。
10. 物種：事業廢棄物之物種。
11. 物理性質：事業廢棄物之物理性質，如固狀、泥狀、液狀。
12. 有害特性：事業廢棄物之有害特性。
13. 主要(有害)成分：事業廢棄物之主要(有害)成分。
14. 清理方式：事業廢棄物之清理方式。
15. 廢棄物顏色：事業廢棄物之顏色。
16. 容器數量：盛裝事業廢棄物之容器數量。
17. 廢棄物重量(公噸)：事業廢棄物重量，單位為公噸。
18. 處理場(廠)地址(或最終處置場(廠)地址)：事業廢棄物處理場(廠)或最終處置場(廠)地址。
19. 處理方法：該事業廢棄物委託處理之處理方法。
20. 處理場(廠)收受日期及時間(或最終處置收受日期及時間)：事業廢棄物進入處理機構或最終處置之日期及時間。
21. 處理場(廠)完成日期及時間(或最終處置完成日期及時間)：事業廢棄物妥善處理完成之日期及時間。

(二)為保證事業所委託之事業廢棄物已妥善處理，需於妥善處理文件簽章。

1. 處理者簽章：請蓋處理機構印鑑。
2. 處理者負責人簽章：請處理機構負責人簽名或蓋章。
3. 處理技術員簽章：請處理技術員簽名或蓋章。

_____ 縣營建工程污染管制計畫街道認養同意書

管制編號:

_____ 縣政府環境保護局(甲方) 與 _____ (乙方) 為共同做好工程施工過程中之空氣污染防治工作, 以維護工地週遭道路及環境清潔, 特訂定「街道認養同意書」, 並以真誠、理性、和諧之信念履行本同意書之內容, 雙方所簽訂同意書之內容如下:

第一條 同意書要旨

本同意書簽訂之要旨為針對**乙方**於工程進行施工過程時所產生之懸浮微粒飛散及污染夾帶出境, 所應肩負之改善責任事項。

第二條 遵守之簽訂事項

乙方基於維護並積極改善工區週遭環境品質之共識, 除遵守政府相關法令規定外, 亦同意遵守下列事項:

1. 應於施工過程中落實污染防治工作。
2. 應定期洗掃施工區域內之運輸專用道路。
3. 應督促所屬工區出入口設置洗車設備, 並指派專人負責輪胎清洗及進出道路清潔維護等環保工作。
4. 經由甲乙雙方協定後, 由**乙方**認養維護重要道路路段之清潔。

認養方式	認養道路名稱	起點	終點	認養長度	洗掃頻率	洗掃時段
<input type="checkbox"/> 洗街 <input type="checkbox"/> 掃街					每__日__次	
<input type="checkbox"/> 洗街 <input type="checkbox"/> 掃街					每__日__次	
<input type="checkbox"/> 洗街 <input type="checkbox"/> 掃街					每__日__次	
<input type="checkbox"/> 洗街 <input type="checkbox"/> 掃街					每__日__次	

第三條 調查權

甲方為了解**乙方**履行本同意書之實際情況, 得指派代表作必要之調查, 或要求**乙方**人員說明, **乙方**不得無理拒絕。

第四條 違反同意書處分

乙方如有違反本同意書之情事發生, 甲方依其所違反之各相關法令規定, 得處以加重之罰鍰。

第五條 同意書生效日期

自簽訂日起立即生效。

第六條 同意書截止日期

本同意書效力至工程完工後始得解除效力。

縣營建工程污染管制計畫街道認養同意書

街道認養範圍示意圖

立同意書人

甲方: _____ 縣政府環境保護局

乙方: _____

代表人: _____

代表人: _____

代表人: _____

Date:

TPC

Contractor 違反契約環境保護規定罰款通知單

單位名稱:

違規罰款通知單編號:

1. Project:
2. Project No.:
3. Contractor:
4. 違規事項及罰款情形:

項目	時間	地點	違規事項	罰款金額	備註 (違規當事人)

- 說明:
1. Contractor 如有異議, 應於收到本通知單之次日起七天內提出書面申覆, 否則照單罰款.
 2. 本通知單一式四聯, 一聯送 Contractor, 一聯送工程經辦組, 一聯送會計組, 一聯送品質組.

經辦人:

課長:

經理:

副處長:

2. 產品
(空白)

3. 施工
(空白)

4. 計量與計價

4.1 計量

除本工程契約另有規定外，本章環境保護費用，於詳細價目表有列工作項目者，以其項目計量；其他不可量化項目者，以（一式）計量。

4.2 計價

除本工程契約另有規定外，本章環境保護費用，於詳細價目表有列工作項目者，以其項目計價，其他不可量化項目者，以（一式）計價，項目包含事業廢棄物清除、處理費用(含清理合約書)、環境保護措施執行費用(含擬訂環境保護管理計畫、執行契約規定之環境保護管理人員及標語等)、車行路徑費用(含車行路徑鋪設混凝土、瀝青、鋼板、粗級配及壓實等)、覆蓋抑塵費用(土方或物料堆置、裸露地覆蓋等)、工地灑水費用(含灑水車租賃、人工及設備等)、洗車設施費用(含洗車台、人工、管線、設施維護、拆除復原、高壓沖洗機等)、沉砂池費用(含沉砂池、導雨管溝、設施維護、拆除復原等)、臨時廁所費用(含維護)、其他環境保護措施費用。以上以一式計價所含工作項目，如另按實作數量計價者，則應劃線刪除之。每期請款之比例分月或按工程進度比例給付，施工安全圍籬及防溢座措施、貨櫃告示牌(60cm×48cm×2mm 鋁合金材料)按實作數量計價。

<END>

Chapter 01572
Environmental Protection

1. General Rules

1.1 Summary of this Chapter

An exposition on various environmental protection tasks that have to be undertaken by the constructor during the period of the construction

1.2 Relevant Regulations

1.2.1 Regulations pertaining to Environmental Protection

- (1) Air Pollution Control Act
- (2) Water Pollution Control Act
- (3) Noise Control At
- (4) Waste Disposal Act
- (5) Environmental Impact Assessment Act
- (6) Enforcement Rules of the Air Pollution Control Act
- (7) Enforcement Rules of the Water Pollution Control Act
- (8) Enforcement Rules of the Noise Control At
- (9) Methods and Standards of Facilities for the Storage, Clearance and Disposal of Industrial Waste
- (10) Enforcement Rules of the Environmental Impact Assessment Act
- (11) Management methods of Air Pollution Prevention Facilities in a Construction Project

1.3 Scope of work

The scope of work includes air pollution control, water pollution control, noise and vibration control, waste disposal, the prevention of the red imported fire ants invasion, and other unmentioned environmental protection facilities during the construction period. The constructor shall conduct each environmental protection task in relation to this project in accordance with relevant Environmental Impact Assessment (EIA) commitments, laws and regulations that govern environmental protection, and provisions set forth herein. With respect to relevant EIA commitments, please check with the project execution team and the quality control team.

1.3.1 Management of Environmental Protection:

- (1) This provision is dedicated for the prevention of environmental pollution issues caused by the constructor at the Taiwan Power Company (hereafter referred to as TPC) construction site, which may trigger incidents such as protests and disputes that involve surrounding residents. Should there be matters not specifically mentioned in this provision, the constructor has to ensure the thorough execution of each environmental protection undertaking in strict adherence to applicable regulations in the environmental protection laws promulgated by the Government.
- (2) Prior to the construction, the constructor should put forward an environmental protection plan, which should be reviewed by the TPC project execution team and the quality control team before being implemented. The content of the plan shall include: 1. Establishing an organization to manage environmental protection. 2. Designing a scheme for the environmental protection management undertaking which covers measures such as soil pollution control, air pollution

control, water pollution control, noise and vibration control, waste disposal, as well as the prevention of the spread of red imported fire ants. 3. Designing an environmental protection self-checklist. 4. Setting up document files and a record-keeping and management system.

- (3) In carrying out the project consigned by the TPC, the constructor shall bear all responsibility involving compliance with the latest laws and regulations governing environmental protection, and the same responsibility shall apply in future projects. With regard to construction machinery, equipment, methods, etc. which have the tendency to cause pollution and noise, the constructor shall plan in advance to avoid occurrence of such problems.
- (4) The officer appointed by the contractor to be in charge of the environmental protection management undertaking of the project, prior to the construction, shall report to the TPC project execution team, who further organizes and submits relevant data to the quality control team for future reference (if the amount of funds involved in this contraction project contract is above the threshold for examination, the environmental protection management officer is required to possess the qualification of a class II air pollution control specialist or above). The environmental protection management officer is responsible for executing relevant laws and regulations and maintaining the cleanliness of the workplace. In the event where the progress of project is delayed due to environmental protection disputes which arise during the construction, the constructor shall be solely responsible for the consequence, and an application for an extension period of the construction project is not allowed.
- (5) The work place of the environmental protection management officer appointed by the constructor should be based on the construction site. The officer should follow the TPC work hours, are required to sign in at the TPC project execution team within one hour after the work commences in the morning and the afternoon respectively, and are required to discuss or coordinate environmental protection tasks with the TPC personnel on a regular basis. On days without construction or on holidays, the officer can be exempted from the sign-in requirement yet the laws and regulations that govern environmental protection issues still have to be adhered to on the construction site. In the event where the TPC receives an infringement notice from the competent environmental protection authority, the fines shall be borne by the constructor.
- (6) Shall the environmental protection management officer be unable to perform the designated job duties for whatever reasons, a substitute officer with the same level of legally-binding license should be appointed to temporarily perform the job duties for a period not exceeding 10 days in one month, and a written notice should be submitted to the TPC project execution team and made known to the quality control team. The provision set forth in the foregoing paragraph shall apply to the substitute officer for as long as s/he performs the job duties.
- (7) In the event where the environmental protection management officer or the substitute officer fails to sign in at the TPC project execution team within the time frame (in the morning and in the afternoon) as prescribed in Paragraph (5), a fine of NT\$1,000 shall be issued for each noncompliance, and the occurrence of

noncompliance for over 10 times in one month suggests that the constructor shall get the officer replaced. If the constructor refuses to replace the officer, the TPC reserves the right to reject the sign-in of the officer and issue a penalty to the officer in accordance with governing policies.

- (8) The constructor should scrutinize the properties and environment of the project, and scrupulously estimate the required environmental protection facilities and relevant management expenses for the project prior to making a tender. The constructor is neither permitted to seek for compensation from the TPC due to the underestimated environmental protection facilities and relevant management expenses nor work half-heartedly or refuse to carry out the environmental protection facilities.
- (9) When the construction is in progress, the deleted content from the construction site signs (Attachment 01572-1), construction project air pollution control fee collection control serial number, the name and contact phone number of the statutory legal person at the construction site, and the telephone number of local environmental protection authorities to report public nuisance shall be noted clearly on the construction site signs.

1.3.2 Environmental Facility:

- (1) Air Quality:
 - A. In addition to using construction machinery and construction vehicles that are in a good condition, good maintenance should also be performed on these machines to reduce effect on the air quality due to emission of black smoke. Moreover, the constructor should endeavor to avoid transport in peak hours when people commence or finish work, in order to reduce the burden of air pollution along the way.
 - B. During the construction, the periphery of the construction site should be installed with complete-barrier fences and spill-prevention bases (10 cm or more) which are fixed to the ground. The height of fences should be no less than 2.4 meters for first-class construction projects, and no less than 1.8 meters for second-class construction projects.
 - C. When driving along the construction routes within the work areas where there are frequent vehicle movements, the constructor's vehicles should follow the prescribed "speed limits". In the event where the road surface is damaged, the constructor should conduct repair of the road as instructed by the TPC. In addition, the tires and the bodies of loaded vehicles should be washed thoroughly before the vehicles drive out of the construction site to avoid contamination on paths where the vehicles drive through. Under the circumstance that contamination on roads of the plant area still occurs, the constructor should promptly send sprinkler truck and personnel to rinse and clean the contaminated areas.
 - D. During the construction project period, one of the following control facilities for effectively suppressing dust on vehicle routes within the construction site should be used: 1. Paving with steel plates. 2. Paving with concrete. 3. Paving

with asphalt concrete. 4. Paving with coarse grade mixture or other granular materials with equivalent functions. For Type 2 construction projects, the control facilities in the foregoing paragraphs must cover 50% or more of the vehicle route surface area, whereas for Type 1 construction projects, the control facilities must cover 80% or more of the vehicle route surface area. In addition, the pavements require regular cleaning or watering to avoid fugitive emission of dust/dispersal of dust. .

- E. Overloading and speeding are not allowed for vehicles that are loaded with earth or stone (gravel). The transport vehicles should be covered with dust-proof fabric or other non-breathable coverings, fastened securely, and the edges of the coverings should extend at least 15 centimeters beyond the upper edge of the loading compartment of the vehicles (truck bed). Control facilities that prevent the incidences of falling or drifting debris should be undertaken to reduce pollution.
- F. On the outer side of scaffolding at the construction site, facilities such as “dust-proof meshes or dust-proof fabric“, which can effectively suppress dust, should be installed. Besides, the constructor should regularly send personnel over to inspect the surrounding areas of the construction site, clean the contaminated areas as a result of the construction, reinforce pollution control and prevent repeated pollution to the environment.
- G. The constructor is strictly prohibited from discard or stacking up substances that are prone to produce noxious odor or being toxic, or incarnating materials and waste in work areas. In addition, the stacked construction materials, sand, earth, or waste that can generate fugitive emissions should be covered with effective facilities such as dust-proof fabric or dust-proof meshes.
- H. Methods such as elevator shaft, conveyor lines inside the building, tight line transportation, or manual conveyance to suppress fugitive escape of dust when construction materials that generate fugitive dust emissions are moved from higher floors to the ground floor or underground floors at the construction site. In addition, at the outlets of the conveyance lines, fences or water spraying equipment that can suppress fugitive escape of dust can be installed.
- I. During the construction project period, one of the following control facilities for effectively suppressing dust on exposed areas within the construction site should be used: 1. Covering with dust-control fabric or dust-control meshes. 2. Paving with steel plates, concrete, asphalt concrete, coarse grade mixture or other granular materials with equivalent functions. 3. Planting of vegetation. 4. Surface compaction in combination with water spraying measures. 5. Carrying out regular spraying with chemical stabilizers. 6. Carrying out regular water spraying. The control facilities in the foregoing paragraph must cover more than 50 percent of the exposed surface area. For Type 1 construction projects, the control facilities must cover 80% or more of the exposed surface area.
- J. Construction machinery and power machinery should use diesel fuel (diesel oil) that contains less than 55ppmw sulfur content, and conduct regular maintenance to keep records for further reference. In the event where the TPC

receives a penalty because the constructor uses substandard oil, the fine should be borne by the constructor.

(2)Noise:

- A. The constructor should have a proper arrangement for the time of construction, and avoid having construction in restricted hours as regulated by the “restriction on nighttime construction behaviors” promulgated by the county (municipal) government. The constructor should endeavor to avoid using construction machinery that produces high noise. As for foundation of construction such as pile foundation, the use of piling drivers should be avoided, and the standard of noise should comply with relevant noise control standard at construction sites.
- B. With regard to mechanical noise that has a direction, the machines should be adjusted so the end with bigger volume of noise can face away from noise-sensitive areas to reduce the effect of noise.
- C. The constructor should maintain a good relationship with the nearby residents to seek for their understanding and mutual compromise.

(3)Vibration:

The contractor should avoid using construction equipment that produces high vibration, so as not to affect the tranquility of nearby residents.

(4)Water Pollution:

- A. Oils, chemical substances, waste chemical substances, waste liquids, waste water or sewage that are used for cleaning containers, along with other pollutants that are used by or produced by the contractor should be properly placed and treated instead of being discarded or discharged into the land or water bodies.
- B. Waste water or sewage that is produced during the construction must be treated before being discharged from the plant.
- C. During the period of construction, the constructor should maintain sound soil and water conservation and set up grit chambers to prevent contamination of nearby water bodies resulting from rainfall erosion of soils, pursuant to Article 9 in the “Water Pollution Control Measures and Inspection Report Management Regulations”. In addition, to avoid blockage of mud and garbage in the ditches and grit chambers (which are in the constructor’s scope of usage) in the construction area, the constructor should regularly send personnel to undertake inspection and cleaning, as well as keep and record the time and methods of cleaning for the TPC’s reference.
- D. The grit chamber installed by the constructor shall meet the following requirements:
 - ① The total design capacity shall be equal to or greater than the total surface area of the entire workplace or worksite multiplied by 0.025 meters.
 - ② When not raining, the distance from the water surface to the top of the chamber shall be greater than one-half of the depth of the grit chamber.
 - ③ The bottom layer and the four sides of the grit chambers should be of

materials that are impervious to water (such as cement).

(5) Industrial Waste:

- A. Earth and gravel excavated by the constructor should be disposed in accordance with the provisions set forth in the construction contract herein, and cannot be arbitrarily discarded or transported out from the plant area. If the TPC receives penalties from the local competent authority as a result of any of such violations, the constructor should be responsible for the payment.
- B. The residual or scattered waste on the ground after the contractor finishes unloading construction materials or construction machinery beside the roads at the plant area should be cleaned up promptly.
- C. The constructor should set up temporary toilets and garbage bins that meet the environmental health standards and the work areas/ should be kept clean and tidy.
- D. Upon the completion of each day's work, the waste and garbage generated on that day should be classified, collected, stored in proper containers, and further removed by qualified waste clearance and disposal companies which are commissioned by the contractor on a regular basis. In addition, a document (see Attachment 01572-7) which is used for recording the proper disposal of industrial waste should be obtained from the public or private waste disposal organizations (or clearance organizations). With regard to matters that have to be filled in, please refer to the explanatory notes to the record-keeping document of proper disposal of industrial waste (see Attachment 01572-7).
- E. The contractor is required to submit a report to the TPC project execution team and quality control team for future reference within 10 days after the end of each quarter. In the event where the contractor fails to submit the record-keeping document of proper disposal of industrial waste on time, a penalty in the amount of NT\$2,000 applies for each noncompliance except for circumstances that such noncompliance is due to construction suspension or the contractor is able to provide specific evidence to prove that no industrial waste is generated.
- F. Waste (including fertilizer) generated during the construction should be disposed in accordance with the "Waste Disposal Act", the "Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste" and other relevant regulations. In addition, the "Contract pertaining to the Commission of Clearance of Waste" should be submitted to the project execution team and the quality control team for future reference prior to the construction is commenced.

(6) Preventing the invasion of red imported fire ants

- A. A certificate which pledges no inclusion of red imported fire ants should be obtained in advance for the provision of materials such as seedlings, grass species, turf, soils, earth and stone, and gravel, etc. for all projects

of the contractor which involve green landscaping, environmental beautification, and constructions. Also, these materials can also be used after the certificate is reviewed and approved by the project execution team.

- B. Shall there be suspicion of the invasion of red imported fire ants, the contractor has to take the initiative to notify the project execution team, submit the samples to the neighboring agricultural research and extension station for identification, and cooperate with the epidemic situation control center to prevent the spreading of the red imported fire ants.
- C. The required expenses for the above remediation and restoration measures are born by the contractor except as otherwise agreed herein.

1.3.3 The execution of environmental protection undertakings on the construction site:

- (1) The environmental protection management officer appointed by the contractor should fill out a daily environmental protection self-check list (see Attachment 01572-2) every afternoon before the end of a working day, submit the filled-out list to the TPC project execution team before 12pm on the next working day (which can be delayed to the next working day in case of holidays), and store the list which is stamped by the project execution team for future reference.
- (2) The TPC project execution team would conduct random on-site environmental protection examination (at least once a week) with reference to the environmental protection self-check sheet filled out and submitted by the contractor, and audit the self-provided answers on each item. In the event where noncompliance with regulations is detected, the contractor would be requested to make improvements immediately. With regard to matters that cannot be improved right away, either a notice which requests for improvements (see Attachment 01572-3) within a deadline would be promptly sent to the contractor, or a notice of penalty would be issued to the contractor for breaching regulations pertaining to environmental protection set forth in the contract.
- (3) A construction project that meets one of the following circumstances is a Type 1 construction project:
 - A. Construction project: the scale of construction reaches 4,600 (m³·month).
 - B. Road and Tunnel Project: the scale of construction reaches 227,000 (m³·month).
 - C. Pipeline Project: the scale of construction reaches 8,600 (m³·month).
 - D. Bridge Engineering: the scale of construction reaches 618,000 (m³·month).
 - E. Regional Development Project: the scale of construction reaches 7,500,000 (m³·month).
 - F. Other Construction Project: Funds for the construction contract amount to NT\$1,800,000.

The scope of construction hereinbefore refers to the result of multiplying the

construction area (m³) by the construction period (month). The construction period is derived based on the calculation that a calendar month consists of thirty days. A construction project that is not a Type 1 construction project is categorized as a Type 2 construction project.

- (3) In the event that the TPC receives an infringement notice issued by competent environmental protection authorities as a result of the contractor's unsatisfactory performance in environmental protection during the construction or prior to the check and acceptance of the construction is completed, the penalty would be paid by the TPC if payments for the penalty hasn't been received from the contractor three days before the payment due date of after a notice has been sent to the contractor from the TPC. The penalty payment would be subsequently deducted from the project funds to the contractor, in addition to a \$NT 100,000 fine imposed on the contractor for failure to make payments. The fine would be directly deducted from the project funds to the constructor.
- (4) The contractor shall complete dismantling the temporary facilities and cleaning the environment of the construction site within the prescribed timeframe upon the work completion, and notify the TPC project execution team for inspection. Subsequent to the confirmation of the project execution team that all waste produced during the period of construction has been cleaned away after the inspection, a report will be sent to the quality control team for future reference.
- (5) If there are matters not specifically unmentioned in this chapter or the revised regulations have more stringent requirements than the original regulations, such matters will be conducted pursuant to the latest environmental protection laws and pertinent TPC regulations.
- (6) When requested by the county (municipal) government to sign the "Construction Project Pollution Control Scheme - a Letter of Consent to the Guardianship of Streets" (as shown in Attachment 01572-8), the contractor cannot turn down the request.

1.3.4 Setting up a temporary container office or a warehouse

- (1) Shall the contractor need to set up a container office or a warehouse, the contractor shall fill out a "TPC Northern Construction Office - an Application Form to Set up a Container Office or a Warehouse" (see Attachment 01572-4), and the container office or the warehouse can only be set up at a location designated by the TPC Northern Construction Office after the application form which is submitted to the project execution team for approval is further forwarded to the quality control team and the electronic matters team, and approved by the competent deputy director. The TPC, when having the need to use the location, is entitled to serve a written notice to request the contractor to clean away items in the container and on the ground without any compensation. Shall the contractor fail to comply with request, TPC has the right to issue the contractor a daily penalty, i.e. a penalty for each day on which the offence is continued after conviction therefor.

- (2) The contractor should make a container billboard (see Attachment 01572-5) according to the application number, and hang the billboard on the top right of the outside door of the container.
- (3) Emergency kits should be placed in each container office. An ABC dry chemical extinguisher which weighs 20 pounds should be hanged on the outside of each container office or warehouse.
- (4) Gambling, drinking, or other illegal behaviors inside the container is not permitted. The contractor is jointly and severally liable for the responsibility shall any person who commits such wrongdoings gets caught.
- (5) No stacking of equipment or casual littering is permitted in the surrounding areas of the container unless with special approval. The contractor is also responsible for maintaining the cleanliness and tidiness of the surrounding areas of the container.
- (6) Neither cooking nor using electronic stoves nor electronic heaters is permitted inside the container. Indoor lights should be switched off and the doors and windows should be locked after work.
- (7) No other persons are permitted to live in the container except for container guards who have registered with the TPC Northern Construction Office and whose applications have been approved by the TPC Northern Construction Office.
- (8) Setting up a processing site inside the container is forbidden.
- (9) After the container is set up, TPC may request the contractor to relocate the container to a newly designated location by TPC for project-related needs. The contractor shall cooperate unconditionally and shall not seek for any compensation.
- (10) Prior to the check and acceptance of the project is completed, the container should be moved out from the construction site, and the surrounding environment of the container should be cleaned up and restored to its original state. Otherwise, TPC can default the payment of the balance of the project and punish the contractor for delaying the completion of the project.

1.3.5 Attachment

Attachment 01572-1	“del”]
Attachment 01572-2	“ [TPC Northern Construction Office - Contractor Environmental Protection Self Checklist]
Attachment 01572-3	“TPC Northern Construction Office - Notice to Contractor to Improve Environmental Protection”
Attachment 01572-4	“TPC Northern Construction Office - an Application Form to Set up a Container Office or a Warehouse”
Attachment 01572-5	“Container Billboard”
Attachment 01572-6	“A Record-Keeping Document of Proper Disposal of Industrial Waste”
Attachment 01572-7	“Explanatory Notes to the Record-Keeping Document of Proper Disposal of Industrial Waste”
Attachment 01572-8	“Construction Project Pollution Control Scheme – the Letter of Consent to the Guardianship of Streets”
Attachment 01572-9	“A Penalty Notice to the TPC contractor for Violating Environmental Protection Regulations set forth in the project contract.”

Name of Construction	Date	yyyy mm dd	
	Number		
Inspected items	Contractor Self-Check	Result of Random Inspection by Inspectors	
I. Air pollution			
1. The periphery of the construction site shall be installed with fences that are fixed to the ground and are of a height of no less than 2.4 meters in accordance with the governing regulations.	()	()	
2. One of the following control facilities: covering with dust-proof fabric/meshes and spraying chemical stabilizers on a regular basis, which can effectively suppress dust, should be used on the stacked construction materials, sands, earth, and waste on the construction site.	()	()	
3. One of the following control facilities should be used on paths that vehicles drive through: paving with steel plates, paving with concrete, paving with asphalt concrete, paving with coarse-graded mixture or other granular materials with equivalent functions, in line with regular watering spraying.	()	()	
4. Whether control facilities to effectively suppress dust on exposed areas within the construction site (such as covering with dust-proof fabric, dust-control meshes, steel plates, coarse-graded mixture, etc.) are used in line with regular water spraying.	()	()	
5. Vehicle wash platforms (including waste water collection pit, grit chambers, and clean water to wash vehicles) or high-pressure washers shall be installed at the entrances and exits of vehicles.	()	()	
6. Effective dust-proof meshes or dust-proof fabric should be hanged on the outer side of scaffolding at the construction site. A scaffolding less than 10 meters should be covered with dust-proof fabric whereas a structure over 10 meters should be covered with dust-proof meshes.	()	()	
7. Methods such as elevator shaft, conveyor lines inside the building, tight line transportation, or manual conveyance to suppress fugitive escape of dust when construction materials, gravel, earth and stones, and waste that generate fugitive dust emissions are moved from higher floors to the ground floor or underground floors at the construction site.	()	()	
8. Vehicles that are loaded with gravel, earth, or stone should be securely covered with dust-proof fabric, and the edges of the coverings should extend at least 15 centimeters beyond the upper edge of the loading compartment of the vehicles (truck bed).	()	()	
9. There is no incidence of fugitive emission of dust, emission of black smoke, oil leakage, speeding, or overloading, which occur during transportation or by construction vehicles or operating machinery.	()	()	
10. Others			
II. Water Pollution			
1. Is the turbidity at the vehicle washing basin' s waste water discharge point too high? Is the water polluted by the discharged substances?	()	()	
2. Is the runoff wastewater from the construction site discharged out of the construction site after a sedimentation process in the grit chamber? Are the sediments in the grit chamber cleaned up regularly and a record kept?	()	()	
3. Is the waste water from the construction area discharged after being properly treated? Is the drainage system kept unblocked?	()	()	
4. Others			
III. Waste Disposal			
1. Are construction spoils and waste soil transported to a site designated by TPC or approved by the competent authority?	()	()	
2. Are bins respectively for general waste and recyclable waste set up in the construction area to separate and collect waste, and the domestic waste is disposed in accordance with relevant provisions?	()	()	
3. Is industrial waste stacked in a centralized place in the construction area and disposed regularly?	()	()	
4. Others			
IV. Noise and Vibration			
1. Does construction equipment generate extreme noise and affect the tranquility of the surrounding environment?	()	()	
2. Does vibration that arises from a percussive construction method affect the tranquility of residents in nearby neighborhood?	()	()	
3. Others			
V. Actions for Failed Items			
1. Inspection of the above items complies with the requirements set forth in relevant environmental protection regulations, and all questions on the check list should be answered accurately.			
2. An "O" mark is for items that satisfy the requirements; a "X" mark is for items that contravene the environmental protection provisions set forth in the contract of the project; an "NA" is for non-applicable items and no items should be left unanswered.			

Inspector on behalf of the contractor: _____ Environmental Protection Management Officer: _____
 Statutory responsible person at the construction site: _____ TPC Project Execution Team: _____
 Examiner: _____ Section Manager: _____ Manager: _____

TPC Northern Construction Office
An application form to set up s container office or a warehouse

1. I, _____, the contractor of the construction project _____, have to temporarily set up _____ container office(s) (size: _____) and/or _____ warehouse (s) (size: _____), and hereby pledge to comply with the management regulations in the TPC Northern Construction Office.
2. The container office(s) and/or the warehouse (s), the term of use of which is from _____ (dd/mm/yyyy) to _____ (dd/mm/yyyy), should be dismantled upon the completion of the project.

Applicant: _____ Date: _____ (dd/mm/yyyy)

The Project Execution Team:

Operator: _____ Section Manager: _____ Manager: _____

3. The application should also be forwarded to:
The Quality Control Team
The Electronic Matters Team

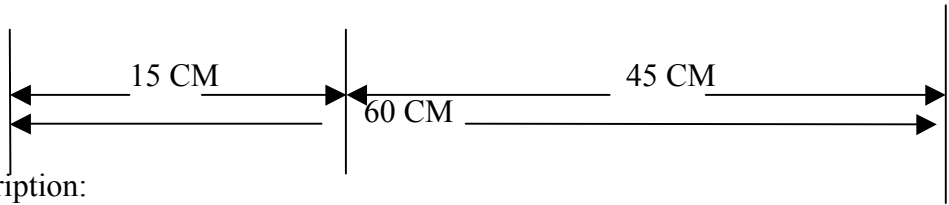
Deputy Director: _____

Note:

1. Upon the application is approved, setup of temporary container office(s) or warehouse (s) should be conducted in accordance with pertinent regulations promulgated by the TPC Northern Construction Office, which at any time reserves the right to request the contractor to clean up whatsoever substances in the container(s) or on the ground prior to a deadline and without any compensation. Shall the contractor fail to comply with such request, the TPC Northern Construction Office can issue the contractor a daily penalty, i.e. a penalty for each day on which the offence is continued after conviction therefor.
2. The application is made in triplicate. One copy of the application is sent to the project execution team, another copy is sent to the quality control team, and the last copy is kept by the contractor for its own records and possible inspection in the future.

Container Billboard

8CM	No.	No. _____
8CM	Name of Construction	
8CM	Name of Contractor	
8CM	Project Execution Team	
8CM	Term of Use	
8CM	Statutory Responsible Person at the Construction Site	



Description:

1. Material: aluminium alloy plate (width 60 cm × height 48 cm x dimension 2mm or above)
2. Specification: as shown in the above figure
3. Green background with white texts; the numbers are written in Arabic numerals

A Record-Keeping Document of Proper Disposal of Industrial Waste

1. Number of Manifest										
2. Enterprise					3. Clearance Organization					
4. Disposal Organization or Final Disposal Organization					5. Date and Time of Cleanup and Transport					
6. Vehicle Number of the Waste Clearance Equipment										
Description of Industrial Waste										
7. Type of Industry	8. Manufacturing Procedure	9. Code of Waste	10. Type of Waste	11. Physical Property	12. Hazardous Property	13. Main (Hazardous) Component	14. Method of Clearance	15. Colour of Waste	16. Quantity of Container	17. Weight of Waste (ton)
18. Address of the Disposal Premise (Factory) or the Final Disposal Premise (Factory)										
19. Method of Disposal										
20. Date and Time of Acceptance by the Disposal Premise (Factory)/ Date and Time of Acceptance by the Final Disposal Facility										
21. Date and Time of Completion in the Disposal Premise (Factory) / Date and Time of Completion in the Final Disposal Facility										
<p>This is to confirm that the industrial waste commissioned by the enterprise listed above has received proper disposal (see the Attachment for the content of the approval). The chops of the organization as well as the signature and chops of the statutory responsible person are required) Statutory Responsible Person :</p> <p>Waste Disposal Technician:(signature/chops)</p> <p>The ____ day of ____ (month) on the _____ year of the Republic of China</p>										

Explanatory Notes on the Record-Keeping Document of Proper Disposal of Industrial Waste

- (1) The format of the “record-keeping document of proper disposal of industrial waste” is designed in accordance with the regulations as specified in Item 2 of Article 30 in the Industrial Waste Disposal Act.
- (2) The Explanatory Notes on the Record-Keeping Document of Proper Disposal of Industrial Waste

A. Document Filling Instruction:

1. Number of Manifest: the number of the delivery manifest when reporting the industrial waste online, or the number of the delivery manifest of hazardous industrial waste. If there is no any of the above statutory manifests, the number of a self-made manifest can be used as a substitute.
2. Enterprise: The full name of the enterprise.
3. Clearance Organization: The full name of the waste clearance organization. In the event where the waste is disposed by the enterprise itself, please write down “self - arranged disposal “ in this field.
4. Disposal Organization or Final Disposal Organization: The full name of the disposal organization or the final disposal organization.
5. Date and Time of Cleanup and Transport: Date and time of collecting and transporting the industrial waste.
6. Vehicle Number of the Waste Clearance Equipment: the number of the vehicle that is used to transport the industrial waste to the disposal organization.
7. Type of Industry: the industry type of the enterprise by which the industrial waste is generated.
8. Manufacturing Process: the manufacturing process of industrial process.
9. Industrial Waste Code: The code designated to the type of industrial waste generated by the enterprise.
10. Type: type of industrial waste.
11. Physical Property: the physical properties of industrial waste such as being solid-like, pulpy, or liquid.
12. Hazardous Property: the hazardous properties of industrial waste.
13. Main Hazardous Substance: the primary hazardous substance(s) in the industrial waste.
14. Method of Clearance: method(s) used to clean up the industrial waste.
15. Color of the industrial waste: The color of the industrial waste.
16. Quantity of Container: the quantity of container(s) used for storing the industrial waste.
17. Weight of waste (tons): weight of industrial waste in tons.
18. Address of the Disposal Premise (Factory) or the Final Disposal Premise (Factory): the address of the disposal premise (factory) or the final disposal premise (factory) of the industrial waste.
19. Method of Disposal: the method that is commissioned to dispose of the industrial waste.
20. Date and Time of Acceptance by the Disposal Premise (Factory)/ Date and Time of Acceptance by the Final Disposal Facility: the date and time the

industrial waste is accepted to the disposal organization or the date and time of final disposal.

21. Date and Time of Completion in the Disposal Premise (Factory) / Date and Time of Completion in the Final Disposal Facility: the date and time of the completion of the proper disposal of the industrial waste

B. To ensure the proper disposal of the industrial waste which is commissioned by the enterprise, the following parties have to sign/chop on the document of proper disposal of industrial waste:

1. The signature/chops of the disposal organization: the chops of disposal organization are required.
2. The signature/chops of the statutory responsible person of the disposal organization: the signature or chops of the statutory person of the disposal organization are required.
3. The signature/chops of the waste disposal technician: the signature or chops of the waste disposal technician are required.

The Pollution Control Scheme of the _____ County Construction Project -
The Letter of Consent to the Guardianship of Streets

Control Serial Number:

This “Letter of Consent to the Guardianship of Streets” is made by and between the _____ County Environmental Protection Bureau (Party A) and _____ (Party B) to jointly prevent air pollution and maintain the cleanliness and tidiness of the adjoining roads of the construction site during the period of construction. Both parties agree to comply with the provisions specified in this Letter of Consent, which is shown in the following paragraphs, according to the principles of sincerity, rationality, and harmony.

Article 1 The main idea of this Letter of Consent
The main idea of this Letter of Consent is to stipulate improvements which Party B is responsible for as a result of the dispersion of airborne particles and the diffusion of pollutants which are generated in the process of the construction.

Article 2 Compliance with matters specified in this Letter of Consent
Party B, based on the consensus of maintaining and actively improving the quality of the surrounding environment of the construction site, agrees to comply with the following items in addition to compliance with relevant government law and regulations:

1. Implementing measures of pollution control during the construction.
2. Regularly sweeping and washing paths dedicated for transportation in the construction site.
3. Urging the installation of vehicle washing facilities at the entrance and the exit of the construction site, and appointing personnel to perform environmental protection tasks such as washing vehicle tires, as well as cleaning and maintaining roads that are connected to the access and the exit.
4. Upon an agreement is entered into by both parties, Party B is responsible for the guardianship and maintaining the cleanliness of critical road sections.

The Method of Guardianship	The Name of the road of under the Guardianship	The Starting Point	The Terminal	The Total Length of the Road under the Guardianship	Frequency of Street Washing or Sweeping	Time for Street Washing or Cleaning
<input type="checkbox"/> Washing <input type="checkbox"/> Sweeping					_____time(s) every _____ day(s)	
<input type="checkbox"/> Washing <input type="checkbox"/> Sweeping					_____time(s) every _____ day(s)	

<input type="checkbox"/> Washing <input type="checkbox"/> Sweeping					_____time(s)	
					every _____ day(s)	
<input type="checkbox"/> Washing <input type="checkbox"/> Sweeping					_____time(s)	
					every _____ day(s)	

Article3 Right of Investigation

Party A, for the purpose of understanding the actual situation of how this letter of consent is fulfilled by Party B, has the right to appoint a representative to conduct necessary investigations or request explanations from staff of Party B, who shall not unreasonably refuse such request.

Article4 Punishment for Violating this Letter of Consent

In the circumstance that Party B violates provisions set forth in this Letter of Consent, Party A reserves the right to issue an increased fine to Party B pursuant to relevant laws and regulations.

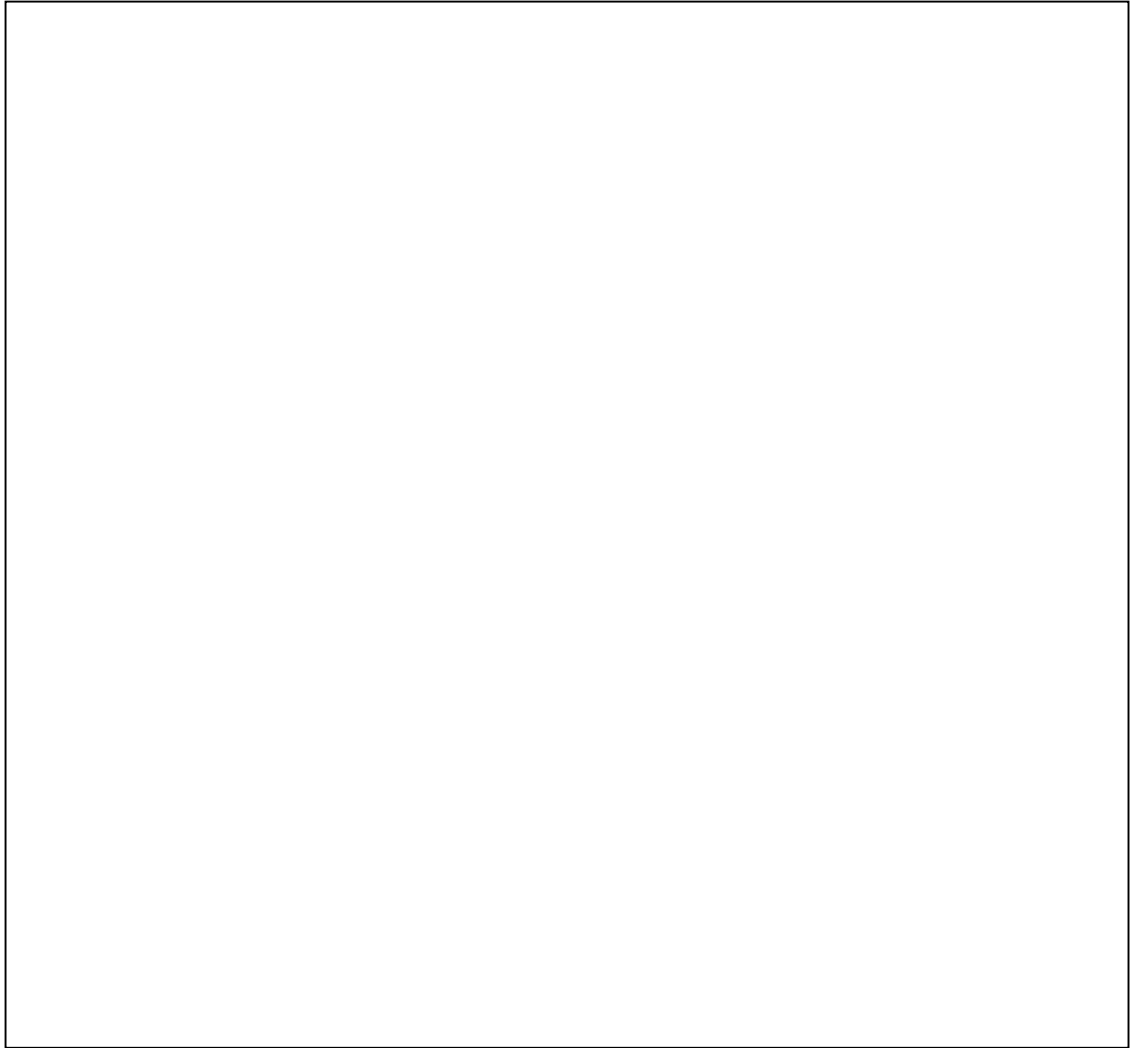
Article5 The Effective Date of this Letter of Consent

The letter of consent shall take effect from the date it is entered into.

Article6 The Expiry Date of this Letter of Consent

The letter of consent remains effective until the completion of the project.

The Pollution Control Scheme of the _____ County Construction Project -
A Letter of Consent to the Guardianship of Streets



Contracting Parties:

Party A: _____ County Government Environmental Protection Bureau

Representative: _____

Party B: _____

Representative: _____

Representative: _____

Date:

A penalty notice to a TPC contractor for breaching the environmental protection regulations set forth on the contract/agreement”

Name of Organization: _____ No. of Infringement Notice _____

1. Project:
2. Project No.:
3. Contractor:
4. Matter(s) of Violation and Amount of Penalty:

Item	Time	Place	Matter(s) of Violation	Amount of Infringement Penalty	Note (Persons Concerned)

Note:

1. If holding objections to any content specified in the infringement notice, the contractor should either submit a written application for a review within seven (7) days of receipt of the notice, or pay the full amount of the penalty set forth in the infringement notice.
2. The notice is made in quadruplicate. One copy of the notice is sent to the contractor, another copy is sent to the project execution team, still another copy is sent to the accounting team, and the final copy is sent to the quality control team.

Operator: _____ Statutory Responsible Person at the Construction Site: _____ Manager: _____ Deputy Director _____

2. Product
(Blank)
3. Construction
(Blank)
4. Quantity and Cost
- 4.1 Quantity

Unless otherwise stipulated in the contract of the project, the environmental protection expenses in this chapter are calculated based on either the quantity of items specified in the detailed price list, or considered as “one unit” for non-quantifiable items.

4.2 Cost

Unless otherwise stipulated in the contract of the project, the environmental protection expenses in this chapter are calculated based on either the quantity of items specified in the detailed price list, or considered as “one unit” for non-quantifiable items. The non-quantifiable items include expenses for clearance and disposal of industrial waste (including drafting the contract for disposal), expenses for the implementation of environmental protection measures (including preparation for the environmental protection plan, as well as personnel and slogans for the execution of environmental protection pursuant to regulations set forth in the contract), expenses for vehicle routes (including paving with concrete, asphalt, steel plates, or coarse-graded mixture, and compacting the surface), expenses of suppressing dust (coverings for stacked earth, stone, or construction materials, or exposed ground surface, etc.), expenses for sprinkling on the construction site (including the rental of sprinkling carts, human labor, equipment, etc.), expenses of vehicle washing (including vehicle wash platforms, human labor, pipelines, facilities maintenance, removal and restoration, etc.), expenses for temporary toilets (including maintenance), and expenses for other environmental protection measures. If any of the above non-quantifiable items, which are considered as “one unit”, is otherwise charged based on its actual quantity, such item should be crossed-out and removed from this classification. Payment of each time is made monthly or in proportion to the progress of the project. In addition, safety fences, spill-prevention bases, and container billboards (60cm×48cm×2mm aluminum alloy) are charged based on the quantity that are actually manufactured.