

雲林縣環境保護局計畫成果中英文摘要（簡要版）

一、中文計畫名稱：

103 年度加強街道揚塵洗掃計畫

二、英文計畫名稱：

The project of enhancing street fugitive dust washing and sweeping program for Yunlin County in 2014.

三、計畫編號：

YLEPB-103-006

四、執行單位：

理虹工程顧問股份有限公司

五、計畫主持人（包括共同主持人）：

江政祿

六、執行開始時間：

103/03/012

七、執行結束時間：

104/02/28

八、報告完成日期：

102/02/28

九、報告總頁數：

231（不含附錄資料）

十、使用語文：

中文，英文

十一、報告電子檔名稱：

YLEPB-103-006.docx

十二、報告電子檔格式：

WORD

十三、中文摘要關鍵詞：

“洗街作業”，“掃街作業”，“集塵量”

十四、英文摘要關鍵詞：

“Washing street”，“Sweeping street”，“dust collection”

十五、中文摘要（約三百至五百字）

本計畫共完成下列主要工作，執行成果分述如下：

- 1.總計完成道路洗街長度合計 15,469.3 公里；執行道路掃街長度合計 13,773.8 公里；機關、社區掃街長度合計 8,828.28 公里，計畫執行洗掃長度總計為 38,071.38 公里。
- 2.洗街作業用水量總計為 18,413.93 公噸，各月單位長度(公里)用水量介於 1.13 至 1.3 公噸之間，平均用水量則為 1.19 公噸/公里。
- 3.統計掃街作業總集塵量為 124.83 公噸，每月單位集塵量介於 3.82 至 8.37 公斤/公里之間，平均單位集塵量為 5.52 公斤/公里。
- 4.總計完成洗街作業長度達 15,469.3 公里，推估 TSP 削減量為 213.48 公噸；掃街作業長度達 22,602.08 公里，推估 TSP 削減量為 311.91 公噸；本計畫洗掃街作業削減 TSP 量總計約可達 525.39 公噸。
- 5.推動本縣企業單位認養道路總計 41 家(佐日漫遊餅藝文化館、久泰精業股份有限公司、林頭社區發展協會、長安社區發展協會、施瓜寮社區發展協會、崙峰社區發展協會)，道路認養執行長度共計 11,689.39 公里，推估 TSP 削減量約 161.31 公噸。
- 6.為改善農忙時期農耕機具行駛造成路面污染問題，針對本縣稻作收穫面積最大之鄉鎮，辦理完成農耕髒污改善宣導村里說明會 10 場次(參加人數 517 人)；校園宣導會總計辦理完成 7 場次(總計參加人數 215)。
- 7.撰寫計畫相關新聞，增加本計畫能見度，共計提交 7 則計畫相關

新聞稿，並於平面媒體及網路媒體進行刊登。

- 8.本計畫共計執行現場查核公里數達到 3,312.76 公里(總達成率 > 100 %)，顯示本計畫之用心及努力。
- 9.本計畫道路髒污等級於 103 年 3 月至 104 年 2 月份期間進行道路普查，長度總計達 2,064.8 公里(104 條道路)，調查結果顯示本縣道路髒污等級主要以 A 級為主。
- 10.完成洗掃作業前、後道路街塵負荷量檢測 32 點次及洗街作業用水水質檢測，計畫目標總達成率為 100%。
- 11.本計畫外部稽核作業於 103 年 8 月 14 日辦理，其外部稽核作業執行結果，委員給予優(A 級)之評等。
- 12.為有效加深民眾對街道洗掃印象與概念，規劃辦理洗掃彩繪票選活動，以提高計畫整體能見度，提供局內做為後續計畫執行推動之參考。

十六、英文摘要：

The project, has completed the following main events, and the results are described below:

1. The street washing length was completed 15,469.3 kilometers and the street sweeping length was finished 13,773.8 kilometers. The street sweeping length in institution and community was achieved 8,828.28 kilometers. The total length of street cleaned is 38,071.38 kilometers.
2. The total water consumption for street washing is 18,913.96 tons. The water use per month is between 1.13 and 1.3 tons per kilometer, and average water use amounted to 1.19 tons/kilometer.
3. The collected street dust amounts to 124.83 tons. The amount of collecting dust per month is between 3.82 and 8.37

kilograms/kilometer, and the average collecting dust amount is 5.52 kilograms/kilometer.

4. The street washing task was completed 15,469.3kilometers and the total suspended particulate matter (TSP) reductions estimated 213.48 tons. The street sweeping task was finished 22,602.08 kilometers and the estimated reductions in TSP is311.91 tons. Hence, the street cleaning operations on the project could reduce TSP about to 525.39 tons.
5. To promote the Adopt-A-Road program to reduce maintain cost. There are 41 businesses have joined the Yulin County Adopt-A-Road program. The execution of adopted road length amounts to 11,689.39 kilometers, and estimated TSP reductions is about to 161.31 tons.
6. To improve paving pollution by agricultural machinery during farming season, ten paving pollution prevention workshops for rural communities which have larger harvest areas were held(totally 517 persons attended); Seven workshops were held for schools(totally 215 persons attended).
7. Seven press releases about the project published on the print media and network.
8. The length of work field check was finished 3,312.76kilometers, and total completed rate was $> 100\%$. The results above appeared care and endeavor of this project.
9. The total length of street pollution grade investigation between March 2014 and February 2015 was 2,064.8 kilometers (104 streets). The results of the investigation showed the street pollution main grade of the county is A.

- 10.Examining streets dust loadings before and after the street cleaning operations for 32 spots and checking of water quality of operating water were completed. The total completed rate was 100%.
- 11.The external examination of this project was held on August 14, 2014. And it was rated as excellent (A grade) by the committee.
- 12.To make a deeper impression on the public in street cleaning operations and enhance this conception, we planned and transacted drawing competition that was involved washing and sweeping streets through vote. These activities helped increasing visibility for the project and could be used as reference for carrying out follow-up plans.