

The Drainage System Plan

1. Rainwater drainage facilities

As of yearend 2005, the complete trunk line of the planned rainwater drainage system under the urban development zone of Taiwan area has a total length of 6,716.86 kilometers; construction of 4,077.52 kilometers of the trunk line has been completed. The completion rate of the rainwater drainage system reached 60.71%; among which, the highest performance is noted in the Kaohsiung City, 96.45%; followed by Taipei City with a 95.53% completion and Taiwan Province with a 55.03% completion which enhancement is required for its construction work.

2. Sewage drainage facilities

(1) Sewage drainage channel availability rate

As of yearend 2005, the nationwide sewage drainage channels are available to 1,767,983 households with an availability rate of 31.1%, slightly up by 2.8% over the 28.3% yearend rate of the previous (2004) year. Among which, lines of the public sewage drainage channels were linked to 799,148 households or an availability rate of 14.0%, up by 1.5% over the 12.5% yearend rate of the previous year; lines of special sewage drainage (e.g. residential areas with over 100 households or 500 residents; industrial zones) were linked to 619,702 households or an availability rate of 10.9%, up by 0.8% over the 10.1% yearend rate of the previous year. On the side, 349,133 households were installed with building sewage treatment facilities with an installation rate of 6.1% being noted, up by 0.4% over the 5.7% yearend rate of the previous year. The revenue from public utilization of sewage drainage facilities in 2005 amounted to NT\$690,941,000; compared to the previous year, an increase of 6.0% was noted. The daily sewage treatment volume (CMD) reached 2.31 million metric tons, up by 26.0% over the previous year.

(2) Budget allocated for the construction work of sewage drainage system

In 2005, the government budgeted NT\$17,056,693,000 for construction of the sewage drainage system; compared to the figure (NT\$10,168,600,000) of previous year (2004), an increase of 67.7% was noted. Among which, majority of the budget were allocated to the construction expense

amounting to NT\$14,262,808,000 or 83.62%; followed by land expense, NT\$2,435,644,000 or 13.58%; planning & design expense, NT\$339,158,000 or 1.99%; and other expense, NT\$19,083,000 or 0.11%.

(3) Sewage drainage system operation & management expenses

In 2005, operating and management expenses of the sewage drainage system totaled NT\$1,390,504,000; that is, up by 13.54% over the figure (NT\$1,224,641,000) of previous year (2004). As for expense allocation, NT\$475,895,000 or 34.22% went to personnel expense, NT\$349,298,000 or 25.12% went to electrical bills, and NT\$90,868,000 or 6.53% went to the maintenance expense.

(4) Sewage drainage pipes and facilities

In the matter of constructed pipeline length and dimensions, as of yearend 2005, 600mm diameter pipes have been installed into 1,394,657 meters of the sewage drainage pipeline; around 300-500mm diameter pipes have been installed to 920,039 meters of the pipeline and small diameter pipes of 300mm and under have been installed into 1,018,730 meters of the pipeline. In terms of sewage treatment facility, 28 treatment facilities, 85 pumping stations, and 55 water filtering stations have been constructed.