



Newly Built Five-hold Culverts Constructed beneath the 40-meter Roadway to Connect the Detention Ponds on the Northern and the Southern Sides

Six Well-planned and Built Detention Ponds

The TSP is in a low-lying area and the discharge outlet is piped out easily, which resulted in two floods during the early stage of development. With the assistance of the Water Resources Agency, Ministry of Economic Affairs, six detention ponds were planned to cover the internal and external watershed and among them, three ponds at Taoye Lake, Siake Lake, and Yingsi Lake, were completed. The other three are under construction but are armed with flood prevention equipment.

The capacity of the detention pond is planned by taking considering the demand for the next 50 years. Yingsi Lake, the largest detention pond in the science park, has a maximum accommodation of 300,000 cubic meters and the watershed covers a total of 250 hectares, including areas

inside and outside the Park, such as Beisanshe and Nansanshe, the two neighboring localities. When runoff from the watershed enters Yingsi Lake, the Flood Control Pumping Station will discharge water to Dajhou Drainage. The discharge capacity of the large-scale pumping machinery at the Station takes into consideration the 10-year frequency before development as the standard with a maximum level of 20CMS. The rest detention ponds automatically discharge the flood when the internal water level is higher than that of the ditch.

Month of Promoting Occupational Safety and Environmental Protection, Precautions against All Hazards

Traditionally, the STSP Administration organizes a series of activities including occupational safety and environmental protection forum, academic symposium, ecological and environmental protection event, employee outing, disaster response exercise, and award ceremony for outstanding occupational safety organizations or achievers, each year from October 1 to October 31. The activities provide a platform of occupational safety and environmental protection techniques and experiences sharing for tenant enterprises and also open to enterprises outside the science park, academic institutes and relevant organizations to integrate the industrial, academic, and governmental resources and build a sustainable management environment that suits the demands for safety and environmental protection.



A Group Photo of Mr. Chun-wei Chen (the Third One from the Left), Director-general of the STSP Administration, and the Award Winners for Industrial Safety and Environmental Protection (October 26)

Seminar on New Labor Inspection Strategy

The STSP Administration carries out the authorization from the supervisory agency, the Council of Labor Affairs, to promote and improve labor safety and health via an efficient one-stop service system. In terms of the adjustment of the "233 Disaster Reduction Program" and "Labor Inspection Strategy", the STSP Administration invited Mr. Chin-chi Lin, Director of the Labor Inspection Office, Council of Labor Affairs, to address on a new labor Inspection Strategy to improve relevant skills of employees in the STSP.

Safe Use of Silane and Leakage Response

The hazardous substance, Silane, has been widely used in the manufacturing process of semiconductors and optoelectronics industry and Silane incidents have been reported. Hence, the STSP Administration invited Professor Cheng-ren Chen from the National Kaohsiung First University of Science and Technology and San Fu Chemical Co., Ltd. to simulate Silane leakages and explosions on October 5, 2006 and incorporate the research results into a disaster cause analysis and disaster prevention strategy. A talk on "Safe Use of Silane and Leakage Response" was also given.

Health Management

Employees in the high-tech industry are exposed to potential risks from hazard substances and they tend to work longer hours under stress. It is easy to harm both mental and physical health. Thus, it is essential to provide a good health management program. The STSP Administration invited Professor Jung-der Wang from the Institute of Occupational Medicine and Industrial Hygiene, College of Medicine, National Taiwan University to give a speech on "How to Obtain ISO-14001 and ILO-OSH 2001 Certifications as well as Prevent Occupational Disease" on October 5, 2006.

Construction of New Plant and Vibration Resistance

Taiwan is in a seismic area and this fact poses a threat to the high-tech plants. Therefore, there is a need to take seismic risks into the consideration during a company's planning stage. Meanwhile, high incident risks are often associated with new plant construction and it is essential to take care of labor safety and health issues at the planning stage to reduce the occurrence of incidents. The STSP Administration has organized speeches on "Construction Safety Risk Management of High-tech Plants" by the Mr. Cheng-chung Lin, Researcher of the Safety Section, Institute of Occupational Safety and Health, Council of Labor Affairs, "Seismic Disaster Control of High-tech Plant" by Professor Chao-chi Yao from the Department of Architecture, National Chung Kung University, and "Seismic Proof Safety Design Evaluation of Non-structure System Machineries and Plant Equipment" by Dr. Chin-chang Huang from the Industrial Safety Section, Industrial Technology Research Institute on October 12, 2006.

New Environmental Protection

In the symposium on Environmental Protection held on October 23, 2006, the STSP Administration invited Mr. Mu-sheng Lee, Section Chief of the Export Processing Zone Administration, Ministry of Economic Affairs as well as Senior Specialist Mr. Nian-he Ma from the Department of Water Quality Protection, Environmental Protection Administration to talk on the "Future Development Trend of Environmental Protection" and "Description of Draft Governing Business and Waste Water Drainage System Pollution Prevention and Control Management and Inspection and Testing Report". Through interactive speeches and seminars, the STSP tenant enterprises will learn more about future trends in environmental protection and new rules and regulations governing water pollution.

Disaster Prevention Exercise for Toxic Chemical Substances

The 2006 Tainan County and the STSP Toxic Chemical Substances Disaster Response Devices Exhibition and Prevention Exercise were co-hosted by the Environmental Protection Bureau, Tainan County, the STSP Administration, and Epitech Technology Corp. on October 25, 2006 and initiated the "Expert Supporting System of Emergency Response Decision-making". The Health Bureau, Tainan County, the Clinic, the Special Police Corps, the Southern Taiwan Emergency Information Response Center, and the Joint Emergency Response Organization with the STSP,



2006 Disaster Prevention Exercise for Toxic Chemical Substances (October 25)

the fire Brigade, and the Foundation for the Promotion of Environmental Protection also participated in the exercise.