

# Environmental Protection

## Industrial Waste Water Management

The Science Park's Environmental Protection Center (Waste Water Treatment Plant) is equipped with facilities capable of handling second degree bio-processing and third degree filtering. In 2003 the waste water treatment capacity was enhanced to 45 thousand CMD. To maintain its audit/inspection credibility and ensure that waste water is properly processed, the Environmental Protection Center (Waste Water Treatment Plant) continues to go through the required audits and inspections to maintain the validity of its certification.



Figure 5-3-1 Environmental Protection Center (Waste Water Treatment Plant)

## Industrial Waste Management

A Resource Recycling Center is planned for Tainan Science Park to properly process industrial wastes. In conjunction with park enterprises' construction schedule, the initial stage will include the establishment of storage, materialization, solidification and burial facilities. In accordance with the characteristics of the wastes, an incinerator with a capacity of 80 tons/day and the ability to process hazardous wastes has been established. It began operations in May 2003.



Figure 5-3-2 Resource Recycling Center

## Establishment of the Strategy for Controlling Air Pollution

The STSP Administration have completed a survey of the types and amount of air pollutants discharged from park enterprises and established risk evaluation procedures and the pattern by which air pollutants spread in the atmosphere. The STSP Administration also formulated a mechanism through which the air pollutants emitted by each industry may be controlled.

## Environmental Quality Monitoring & Ecological Survey

Since 1997 the STSP Administration have undertaken Environmental Quality Monitoring Project during the period of construction to observe the environmental impact.

Automatic around-the-clock monitoring of Park's Dajhou Drainage: its pH value, SS, COD and fluorine anion (F-) contamination. The monitor is linked to the control room of the Environmental Protection Center for effective management of the quality of drainage.

A 74-acre conservation area has been set aside for Large Indian Pratincole (*Glareola Maldivarum*) to rest and breed. Other habitat preservation measures are being considered and preservation groups are contracted to conduct ecological surveys on a long-term basis.



Figure 5-3-3 Large Indian Pratincole (*Glareola Maldivarum*)

# Work Safety and Emergency Incident Management

A system for online publication of occupational accidents monthly reports and online declaration of hazardous materials was set up to establish Tainan Science Park as a voluntary occupational hygiene management system.

Offered education and training programs for construction workers not employed by specific employers. In 2003 15,401 individuals received training in 300 sessions. The endeavor helped the construction industry reduce/prevent disasters.

Three fire and toxic substance disaster drills were held.



Figure 5-3-4 Fire Drill

An Emergency Response Team for the STSP on November 8, 2003 to strengthen regional networks was formed.



Figure 5-3-5 Emergency Response Team Formed

Security measures including emergency response capacity were enhanced to ensure the Park's security. Security information within and without the Park was collected on a continuous basis. On May 29, 2003 the STSP Administration received a performance award for effective security and safety.

The Park's police station in 2003

successfully solved 69 cases and arrested 33 offenders; handled 136 traffic incidents and 1,055 violations. They actively participated in community activities and won the tug of war, tennis and golf championships. The park police is the best friend and partner of park enterprises/employees.



Figure 5-3-6 A Performance Award for Effective Security and Safety

## Measures taken to deal with the Impact of the High Speed Rail

The area within 200 meters of the High Speed Rail is reserved for park enterprises not sensitive to vibrations. Measures have been taken to reduce the impact of vibrations on Tainan Science Park. The phase 2 development of Tainan Science Park has been expedited to accommodate park enterprises. The winner of the Vibration-Reduction Project were chosen on August 17, 2003. Proposals were submitted by the end of December to serve as references for National Science Council to take necessary measures to protect park enterprises from vibrations.



Figure 5-3-7 Tainan Science Park Section of High Speed Rail



# Labor Disputes

In 2003 the STSP Administration handled 31 labor disputes, 84% of which were withdrawn after successful negotiation or consultation. Only 6% refused to settle.

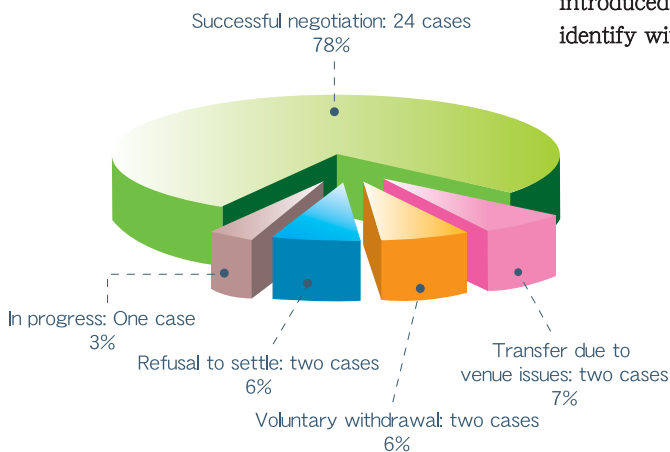


Figure 5-3-8 Handling Labor Disputes

According to the condition of the disputes, failure to pay wages came in first with 12 cases; termination of work contract came in second with 8 cases; occupational accident compensation came in third with 6 cases. There were 5 cases involving other issues.

# Community-oriented Activities

Science camps were held during summer breaks for students and teachers of elementary, junior high and senior high schools of Southern Taiwan. Through tours, workshops and fun-filled programs, participants were introduced to STSP and learned to identify with and support STSP.

STSP Cup Community Friendship Tournaments for park enterprises were sponsored. The STSP Administration and the three nearby townships organized teams to participate in basketball, softball, golf, tennis, badminton, ping-pong and tug of war tournaments.



Figure 5-3-9 Deputy Director-general Chen Introduced STSP to Pupils of the Science Camp



Figure 5-3-10 Director-general Tai Threw the First Pitch

On the christening and opening of Southern Access Road on November 16, 2003, President Chen was invited to preside over the ceremony. Residents of the three townships nearby were invited to participate.

In a night party, park enterprises' employees and local residents were invited over to sample delicious moon cakes and pomelos and appreciate good music under the full moon for a romantic outing.

2004 Dynamic Technology Young Young New Year's Eve Concert was held by the STSP Administration in conjunction with Tainan County Government. About 50 thousand locals were attracted to the site. On December 31, 2003 at 11:59 PM, Tainan County Magistrate Su led his administrative team and Deputy Minister Shieh of National Science Council, Director-general Tai of the STSP Administration, and their staff into the final counting, signifying that Tainan County and STSP were heading toward 2004, a year of vigor, dynamics and technological breakthroughs.



Figure 5-3-11 President Chen Presided over a Road-opening Ceremony



Figure 5-3-13 Energy Technology Young Young New Year's Eve Concert



Figure 5-3-12 Director-general Tai Spoke during the Road-opening Ceremony for Southern Access Road