



# The Safety Control in Construction in Shanghai

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After 1992, as Shanghai urban construction is in full swing, about 2 accidents of construction engineering safety in production happened each year.

For this reason, Shanghai Municipal Construction and Transportation Commission (SMCTC) have always given priority to the containment of major accidents which are grade 3 and above among the most important management tasks by adopting a series of measures to focus on regulation:

# 1、 Develop new norms, standards to guide the construction

## ❖ The Hanging Scaffold

In recent years, we have laid down technical standards of hanging scaffold, developed general calculating software, and guided the enterprises to reasonably organize construction.

## ❖ The Shuttering Bracing System

we have laid down technical standards of shuttering bracing system, drawn up the essentials of shuttering bracing system, and regulated the activities of guidance and supervision.

## ❖ The Underground Engineering

we have laid down regulatory documents and relative technical standards one after another on deep foundation pit, by-pass channel of tunnel construction and construction management of artesian water formation to strive for preventing the accidents of underground engineering.

## ❖ The Spot Temporary Houses

In 2004, we organized and drew up the relative technical rules and supervision regulations to further direct and supervise enterprises to regulate their temporary house management for preventing collapse of temporary houses which are used in construction. And we also organized special inspections to eliminate hidden trouble and ensure the security of temporary houses before the onset of typhoon season.

## 2、 Refine the Daily Supervision on Some of the Points of Relatively Dangerous of Construction Work

- ❖ Report and Announcement by construction enterprises
- ❖ Examinations selectively by supervision centers
- ❖ Pay special attention by Safety supervising engineers

### 3、 Focus on Large-scale Machinery Supervision

- ❖ Qualification management .
- ❖ Technical personnel equipment and technical plans.
- ❖ Workers who are engaged in tower crane and attached scaffold operation must be trained .
- ❖ Passing the examinations and getting the certificates before using.


## 4、 Taking Vigorous Measures to the Management of Demolishing Houses

The management of demolishing houses is supervised uniformly by special organ of Shanghai Housing and Land Resource Administration (SHLRA) SHLRA also established to fulfill the supervision by drawing up technical regulations to direct enterprises as well as by paying special attention to the supervision of the key links of enterprises qualification, personnel qualification, construction plans so that the accidents of demolishing houses are controlled better.



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Through the above mentioned efforts, our city has never happened construction accidents which are grade 3 and above since 2004.



we have solidified the basis of safety production and realized the goal of reducing general accidents.

# 1、 Pay Attention to Safety Education and Enhance the Self-precaution Ability of the Front Line Workers of the Construction Industry Step by Step.

- ❖ Intensify the front line workers' education of elementary safety knowledge.
- ❖ Lay stress on doing good job in periodical training for enterprises' leading cadres, project managers, safety staff, and safety supervising engineers.
- ❖ Directed the work of forming training organs of construction safety education to meet the needs of safety knowledge training of diverse forms.

## 2、 Realize the Standardization of building site Safety Management

- ❖ We have drawn up a local standard of Shanghai which is named “The Construction Guarantee System of building site Safety production” according to the way of ISO9000 Series in 1996. The system stresses that everyone is in possession of everything and has his own responsibility, and offers an unified management platform to direct building sites to enhance their abilities of mutual cooperation and self-control and to improve the level of standardization and procedural work of building sites safety management by taking entire progress control on personnel, machinery, objects, materials and links which are at building site.

### 3、 Pay attention to the Dynamic Supervision of Safety Production License

- ❖ The construction enterprises without possessing safety production conditions can not do :
  - a. get the safety production licenses,
  - b. take part in the activities of inviting public bidding and entering a bid,
  - c. undertake subcontract projects.

## 4、 Make Vigorous Expansion on Cultivating Intermediary Organization

- ❖ Intermediary organizations of safety management in Shanghai such as:
  - a. Safety supervising engineers,
  - b. Inspection department of construction machinery,
  - c. Training organization organs of construction safety knowledge education,
  - d. Evaluation organization of “Safety Production Evaluation Standard of Construction Enterprises”,
  - e. Attestation organization of “The Construction Guarantee System of Safety production of building site”,
  - f. Construction Safety Association, etc.



At present, our city's construction tasks are still onerous.

We will go on finding out more ways of the safety control in construction.

