

# Qianjiaying Safe Community Report

Kailuan Qian Jiaying Community·Tang Shan·China

November 2006



**Application to Become a Member  
of the Safe Community Network for  
International Designation as  
a Safe Community of the  
WHO Safe Community Network**



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## Application on Becoming a Member of International Safe Community Network of WHO

Kailuan Qianjiaying Community is not only a mining area having a coal mine with annual output of raw coal 5.5 million tons but a living areas of staff & workers and their families'. It is a typical coal enterprise community. The purpose of constructing safe community is to promote safety prevention in all aspects and reduce accidents & personnel injuries to achieve safety & health of residents in the community. Because coal enterprise is characterized by high-risk, constructing safe community embodies the advanced safety culture principle of people oriented, is the extension of coal mine safety, is the imperative requirements of achieving workers safety and is the needs of improving service level in the community. Therefore, in the course of probing into the management mode of a enterprise community, we adopt actively the "Safe Communities Principle" popularized by WHO.

On 30<sup>th</sup> July , 2004 , the ceremony for constructing the first safe community in coal mining area in China was held at Kailuan Qianjiaying community. It indicated that constructing safe community in Kailuan Qianjiaying Community initiated formally. In Aug., 2004, a Safe Community Promotion Committee was set up in Kailuan Qianjiaying Community and the committee is in full charge of constructing safe community. It is composed of the leaders from Kailuan Qianjiaying Community, subdistrict office, local police station, hospital, schools, property management department of the community, the 1st Brigade of Traffic Police in Tangshan City. The office affiliated to the promotion committee has been established in charge of direction, coordination, supervision and check of safe community building. The office are comprised of 9 working groups which are safety education promotion group , social stabilization group , health promotion group , fire safety group , house safety group , environmental safety group , traffic safety group, work safety group and assessment group . They are take charge of the specific work arranged by the committee. From the beginning of constructing safe community, we worked out respectively working duties and regulations for the promotion committee, the office and working groups. Meanwhile, there is a volunteers group of 5 hundred people including students, residents and doctors. Hundreds of the volunteers visited residents to investigate their safety situations. On the basis of understanding properly the safety situations in the community, "Implementing Plan on Constructing Safe Community in Kailuan Qianjiaying Community", the objective of the each working group and relatively constructing plans were set down. Then, we began to conduct the contents



mentioned above.

In these more than 2 years , according to criteria of WHO collaborating centre on safe community promotion and under the direction of China Occupational Safety and Health Association (COSHA), all kinds of institutions on safety promotion & prevention have been formulated & perfected incessantly . The promotion programs of safety at work-places, social security & stabilization, house safety, traffic safety, fire safety and school safety targeting at high-risk environment, and the prevention programs of the miners' safety underground and child safety, elderly safety and juvenile safety targeting at high risk groups are developed by integrating the characteristic of the enterprise community. Because the safety awareness, quality and behaviors of residents in the community are enforced & improved continuously by performing & popularizing fully all kinds of safety promotion programs, the injured rate has decreased by 39.5%. The atmosphere of civilization, safety and harmoniousness is presented in whole community.

During building safe community, Mr. Zhang Baoming, President of COSHA, Mr. Ji Mingbo, the deputy president of COSHA, and Madam Ou Yangmei, director of Investigation Department of COSHA , came to Kailuan Qianjiaying Community to inspect & direct constructing safe community four times successively. On 7th Apr., 2005, Chairman Leif Svanström came to Kailuan Qiajiaying Community to inspect the work of constructing safe community. He affirmed fully the achievements and had a high compliment on safe community building of Qiajiaying Community. All these have promoted our building work. We have taken actively part in all kinds of activities of safe community such as the study conference on Safe Community Building of Beijing held by COSHA in June, 2004, and the seminar on Safe Community Building Criteria of Beijing held by COSHA in Nov., 2005. Such activities offered theoretical support and experience for the safe communities constructing and promoted its development in a healthy and sustainable way

In order to prevent and reduce further accidents & personnel injuries and to achieve the safety & health of residents in the community, we apply for international designation as a Safe Communities of the WHO Safe Community Network.

Next step, Kailuan Qianjiaying Community will conduct continuously all kinds of safety promotion activities according to WHO's criteria strictly and discharge our duty with our great efforts to joint the common aspiration of the most staff-workers of the coal mine and residents in the community and bring



every positive factor into full play of all circles in society to push forward overall all kinds of safety promotion in the community smoothly. The injured rate will be decreased by 20% through our efforts in the coming 2-3 years.

*Zhang Chunhe*

*Director of Kailuan Qianjiaying Community*



## **1. Kailuan Qianjiaying Communit**

### **1.1 Background**

Kailuan Qianjiaying Community is located in Qianjiaying Town of Fengnan District of Tangshan City of Hebei Province, China. It is about 14.5km apart from the community to Tangshan City. It covers an area of 193km<sup>2</sup> with 7518 permanent residents. The residential area on an average for one resident is 23 m<sup>2</sup> and the green area is 81200 m<sup>2</sup>. The rate of green space coverage is 54%.

Kailuan Qianjiaying Community lies in the joint area between city and countryside involving enterprises & institutions of coal mine, sub-district office, police substation, property management department, primary school, middle school, hospital and nursery and all kinds of cultural & recreational places, such as civil safety school, man-made lake, gardens, gymnastic sites, basketball courts and cultural activities stations etc. in the community.

According to the principle of “Public Participation & Public Benefit”, the units of mining company, middle school, Primary school, hospital, subdistrict office, police sub station keep close contact each other to integrate social force of all circles, this laid a foundation for the healthful & sustainable development for the safe community building in the community.

In recent years, Kailuan Qianjiaying Community was given the titles of “Hebei province Excellent Community in Garden Style”, “Excellent Residential Community of Property Management”, “Advanced Water- Saving Unit”, “Tangshan City Advanced Unit for Constructing Civil Community”, “Advanced Unit for Environmental Protection”, “Model Unit for Industrial Hygiene”, “Kailuan Group Corporation Civil Unit in Two Star Level”, “Advanced Unit for Work Safety” and “Advanced Unit for Comprehensive Management in Public Security” etc..

### **1.2. Community Structure**

#### **1.2.1 Age Profile**

The population in Kailuan Qianjiaying Community is 7518, in which, the male people are 4301 and the female people are 3217.



age	0-14	15-24	25-64	above 65	total
population	959	1003	5230	326	7518
proportion	12.8	13.3	69.6	4.3	100

### 1.2.2 Educational Attainment

educational background	above college	senior middle & technical secondary schools	junior middle school	primary school	illiteracy	total
number	594	1709	3516	1527	172	7518
proportion	8.2	22.7	46	20	3.1	100

### 1.2.3 Occupational Profile

profession	staff-workers	retired personnel	Educational & medical personnel	business personnel	students	others	total
number	3905	891	172	101	788	1661	7518
proportion	51.9	11.9	2.3	1.3	10.5	22.1	100

## 2. Safe Communities Standards of WHO

- (1) An infrastructure based on partnership and collaborations, governed by a cross-sectional group that is responsible for safety promotion in their community;
- (2) Long-term, sustainable programs covering genders and all ages, environments, and situations;
- (3) Programs that target high-risk groups and environments, and programs that promotes safety for vulnerable groups;
- (4) Programs that document the frequency and causes of injuries ;
- (5) Evaluation measures to assess their programs , processes and the effects of change ;
- (6) Ongoing participation in national and international Safe Communities networks .

## 3. The First Standard of Safe Community

An infrastructure based on partnership and collaborations, governed by a cross-sectional group that is responsible for safety promotion in their community;

In Aug., 2004, Kailuan Qianjiaying Safe Community Promotion Committee was set up in Kailuan Qianjiaying Community .The committee is comprised of the delegates from Qianjiaying Mining Branch-company, Labor Union of Kailuan Qianjiaying Community, Human Resources Department of Kailuan Qianjiaying Community, Qianjiaying Mine Area Sub-district Office of Tangshan City,



Qianjiaying Mine Area Police Substation of Tangshan City Public Security Bureau, No.1 Brigade of Traffic Police of Lunan District of Tangshan City, School, Hospital , Property Management Department, Ombudsman 's Office of Qianjiaying Community and Fire company ,totally twelve departments. The committee also established Safety Education Promotion Group, Social Stabilization Group, Fire Safety Group, House Safety Group, Health Promotion Group, Work Place Safety Group, Environmental Safety Group, Traffic Safety Group and Assessment Group, totally nine working groups. Composition of working groups includes representatives from units, departments, organizations, volunteers and technical personnel. The community has setted up Kailuan Qianjiaying Safe Community Office which takes charge of directing each working group to perform work according to the working plans and objectives respectively; urging and directing each working group to implement annual plan; coordinating the work with the relative units inside & outside the community and managing the files of safe community.

### **3.1 Objectives of Safe Community Building**

- (1) Considering the management, service and culture of the community as key points to build the community into a safe community with management in order, perfect service, beautiful environment, good public security, convenient life and harmonious residents' relation.
- (2) Being basically up to the standards of WHO with outstanding performance through our effort in two years.
- (3) The injury rate will be decreased by above 30% in the community in future three years.

### **3.2 Responsibility of Qianjiaying Safe Community Promotion Committee**

- (1) Preventing accidents & injuries, analyzing the reasons of the accidents & injuries happened;
- (2) Taking charge of organizing, coordinating, integrating and utilizing all sources & forces in the community;
- (3) Making long term & sustainable plans and programs;
- (4) Urging to implement the relative plans & programs and evaluate them;
- (5) Ongoing participation in national and international Safe Communities networks.

### **3.3 Responsibility of Qianjiaying Safe Community Working Group**

- (1) Attend meetings of Safe Community Promotion Committee
- (2) Participating in the formulation of specific injury prevention programs and safety rules and

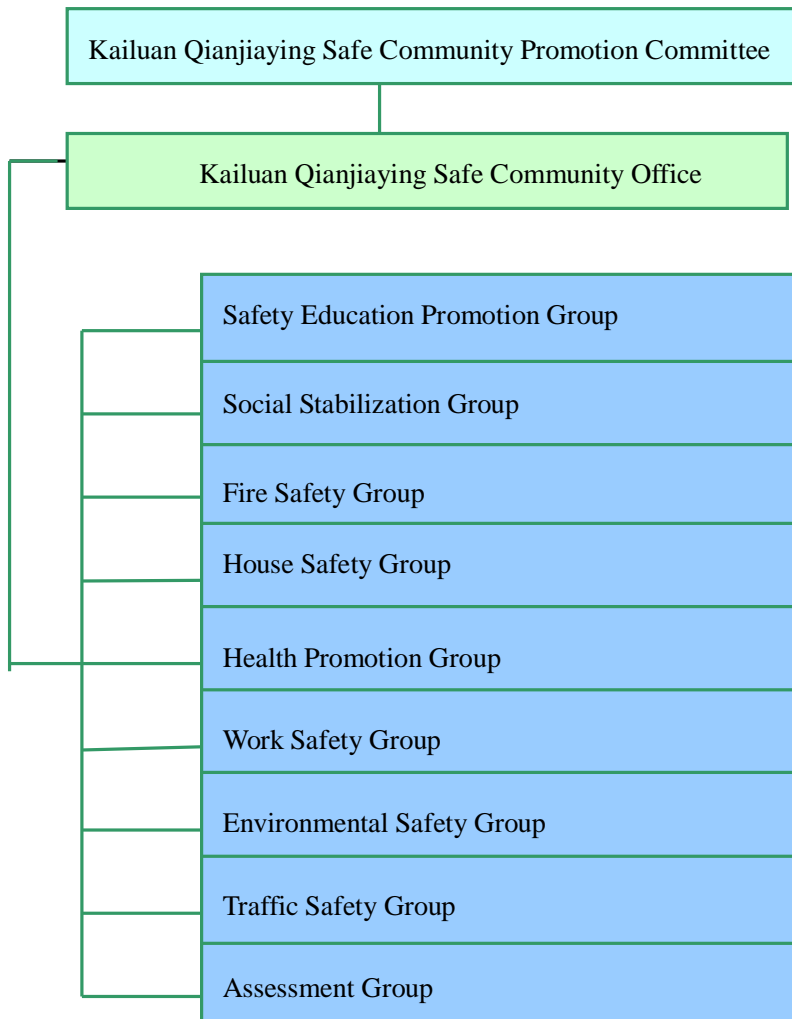


regulations.

(3) Providing guidance to residents in implementing injury preventions targeting at the vulnerable group, high-risk group and environment.

(4) Holding regular meetings of community safety, analyzing and summarizing work effectiveness, evaluating work plans and set priorities of work and projects; conducting various activities and specific safety training programs so as to enhance residents' safety awareness and improve their safety skills.

(5) Fulfilling other constructive work for community safety promotion.



#### 4. The Second Standard of Safe Communities.

Long-term, sustainable programs covering both genders and all ages, environments, and situations

We investigated & analyzed roundly the injuries conditions of residents in 2004, defined the key points of our work involving work-place safety, traffic safety, house safety, campus safety and fire safety, worked out the program on preventing injuries and organized to implement the plan.



#### **4.1. Workplace Injury Prevention Program**

- (1) Holding training for manager, staff-workers of the enterprises on safety knowledge & the relative rules & regulations;
- (2) Conducting the activities on cultivating the inherently safer staff-workers;
- (3) Performing the work for preventing occupational diseases and setting up the occupational diseases file for the relative staff-workers;
- (4) Reinforcing safety inspection at work places and conducting the activities of exchanging the experiences on work-place safety;

#### **4.2. Program on Public Security & Stabilization**

- (1) Setting up and perfecting the rules and regulations on public security;
- (2) Structuring mediation system of residents' mediation, administrative mediation and court mediation for mediating disputes & problems;
- (3) Punishing criminal offenses of gamble, fight, damaging public property and stealing etc.;
- (4) Establishing "Zero Case Community"

#### **4.3. Traffic Injury Prevention Program**

- (1) Developing the activities of popularizing "Traffic Safety Law of the People's Republic of China";
- (2) Conducting activities of that "Traffic safety gets into the community, schools and enterprises";
- (3) Strengthening the construction of traffic facilities in the community;
- (4) Reinforcing vehicle management;
- (5) Holding knowledge lessons on traffic safety for the vehicle drivers of the community.

#### **4.4. House Injury Prevention Program**

- (1) Holding lessons on preventing house fire, electric shock, burn and food-poisoning, and the lessons on escaping and first aid;
- (2) Setting up Civil Safety School;
- (3) Preventing family violence & stealing ;
- (4) Organizing Groups of Volunteers.



#### **4.5. Fire Injury Prevention Program**

- (1) Strengthening the construction of fire facilities;
- (2) Organizing fire safety check regularly;
- (3) Developing the propaganda activities on fire safety and organizing drillings on extinguishing fire & escaping.

#### **4.6. Injury Prevention Program for the Elderly**

- (1) Investigating & studying the common diseases in old people supported by hospitals;
- (2) Conducting education on electrical safety, gas safety and fire control safety, fall and broken preventions, infantile autism, psychological health and suicide prevention targeting at the elderly.
- (3) Building the cultural & sports activity stations for old people in the community.

#### **4.7. Injury Prevention Program for the Children**

- (1) Conducting safety education activities for the Children against tumble, animal harm and medicine misused etc;
- (2) Taking safety education activities on Children's outdoor safety and amusement place safety;
- (3) Making safety education activities for children on the traffic safety and sports safety.

#### **4.8. Sports Injury Prevention Program**

- (1) Holding safety lessons & exhibitions on sports & health;
- (2) Holding health sports activities being suitable for all kinds of personnel;
- (3) Organizing to check and maintain the all sports facilities in the community;
- (4) Holding cultural & sports activities center in Kailuan Qianjiaying Mining Branch- Company;
- (5) Holding the spring games, interesting games for old people and spring games for primary & middle schools.

### ***5. The Third Standard of Safe Communities***

**Programs that target high-risk groups & environments, and program that promote safety for vulnerable groups.**

#### **5.1. Workplace Safety**

Investigating the safety situations at work-sites and reaching an agreement that the most injuries in



the community are happened at work-places underground.

**Table on the Injuries at Work-places in 2004**

Outcome Causes	death	heavy wound	light wound	disability	total
breaking rules & regulations at work	1	8	25	3	37
being off the guard			4		4
bad working environment				8	8
<b>total number</b>	<b>1</b>	<b>8</b>	<b>29</b>	<b>11</b>	<b>49</b>

According to the investigation results, safety promotion group has planned and taken following workplace safety injuries preventive measures

**5.1.1 Enforcing the safety education**

- ▲ Conducting safety education for staff-workers at the meeting before working ;
- ▲ Organizing the members of the staff-workers’ families to go underground the work-sites monthly to exhort the miners to pay more attention to their safety during work;



*The miners’ families members are exhorting miners to pay more attention to their safety during work*



*Education Meeting on work safety before work.*

▲ The implemental program on the topic of “Cultivating Safety Culture and Nurturing the Inherently Safer Staff-workers; ” were conducted from July , 2006 to July , 2008. On 13<sup>th</sup> July, 2006, the conference on “Cultivating Safety Culture and Nurturing the Inherently Safer Staff-workers” was held in the community. The leaders and staff-workers’ representatives from the relative production units in the



community attended it. Meantime, we held the activity of collecting safety ideas.

☆ **Safety Objectives** : Being Safe & Sound, Healthy and without Injuries & Deaths;

▲ Organizing residents & staff-workers to watch CDs on the safety knowledge ;

▲ Setting up the specific column on safety education in the network of Kailuan Coal Industry Company .

### 5.1.2 Executing Safety Institution

▲ All the staff-workers must go to work with their post plates .

▲ The staff-workers must discern the safety situations in their working environment before working .

▲ Setting up the united safety signs at main places , important work-sites and key posts .



*The Safety Sign at Work-sites*



*Safety Inspection*

▲ Reinforcing the safety inspection. The units underground check themselves against safety weekly. The departments in charge of safety supervision hold a safety inspection the production units, construction-sites & shops targeting at safety conditions monthly, and deal with the hidden dangers of injuries in time.

▲ Setting up the files on the staff-workers' health. Hospital has a physical examination for the staff-workers yearly to prevent occupational diseases and others. The hospital had a physical examination for 5479 staff-workers and all retired staff-workers in the community in 2006.

▲ All staff-workers in the community attend the training on safety knowledge one time or more yearly .

### 5.1.3 Holding a Series of the Activities on Safety Promotion

▲ In June every year , we hold the program “Work Safety Month. We have exhibited wall pictures about work safety, house safety & fire safety, and issued safety propaganda materials to the residents and



hold fire-fighting exercises many times.

▲ We held the contests on safety knowledge and activities of reviewing the typical injuries cases happened in the mine and analyzing the typical traffic accidents during the Spring Festival Transportation in each unit in the community .

▲ We held all kinds of safety contests, such as work safety in 100 days contest in the “Two Festivals” , safe practice contest of heating boilers in winter and production contest of the “Safety Year” of Kailuan Coal Industry Company etc.

#### **5.1.4 Setting up the Management Institutions on Occupational Safety & Health**

In order to reduce & prevent injuries, Kailuan Qianjiaying Mining Branch-company has set up the Occupational Safety and Health Management System (OSHMS) . According to the international standards, we have collected successively more than 200 pieces of suitable laws, regulations and standards, identified all kinds of dangerous sources more than 200 pieces and assessed the risk degree one by one . 60 pieces of major dangerous sources in seven aspects of water, fire, gas, roof, coal dust, mechanical & electrical equipments and transport were identified. According to the risk degree & management requirements, we took the relative control measures, such as compiling the occupational safety & health management manuals, more than 30 important procedures and more than 400 files on safe practice. All these made safety management documentization, standardization & systematization in coal mine. The establishment of modern safety management mode played an important role in protecting staff-workers' safety. The death rate in Kailuan Qianjiaying Mining Branch-company keeps about 0.18 for each million tons of coal in recent years. Its safety level ranks a higher position in coal production in the coal industry of China.

#### **5.1.5 Building an Occupational Pneumoconiosis Hospital**

The pneumoconiosis is the most common occupational disease in coal enterprise that impairs the health and even causes the death of the staff-workers. In order to treat and prevent effectively the pneumoconiosis, Kailuan Medical Group has set up an occupational diseases hospital in Kailuan Qianjiaying Community for developing medicine and surmounting the difficult problem of treating the pneumoconiosis. Up to now, 840 pneumoconiosis patients have got recuperation, physical examination and recovered treatment by 14 periods of time.



*The Unveiling Ceremony of Kailuan Medical Group Occupational Diseases Hospital*



*The pneumoconiosis patients are getting the recovered treatment .*

The Effect of Implementing the Safety Promotion Program at Work-places

### Injuries at Work-sites in 2005

items	death	heavy wound	light wound	disability	total
breaking rules & regulations at work	1	5	26	2	34
being off the guard			3		3
working environment				1	1
total number	1	5	29	3	38

## 5.2. Public Security

We conducted safety survey in public areas. Kailuan Qianjiaying Community is located at the joint place of city and countryside .The situation of the public security is relatively complicated and there exists all kinds of unstable factors.

Based on the results, social stabilization group has planned and performed following safety promotion programs.

### 5.2.1 Setting up the Relative Organization

The community set up the comprehensive management committee which is comprised of social stabilization group, gathering residents' ideas & attitudes group, helping & educating group, public security & improvement committee, mediation committee and joint defence team takes charge of public security etc. The committee served as a leadership and was assisted with the working groups, residents who are volunteers attending to work together.

### 5.2.2 Perfecting Institutions



The institutions, such as “Work Institution of Comprehensive management on Public Security for Leading Group” , “Regular Meeting Work Institution of Comprehensive Management of Public Security” , “Emergency Planning for Burst Incidents ” and “Regular Analysis & Study Institution on Unstable Factors ” etc. were established and improved. The responsibilities of the relative persons were formulated according to the “the department in charge being the department responsible”. We set up and improved the mechanism of removing & reorganizing of hidden dangers to ensure the systematization & standardization of the comprehensive management of public security.

### **5.2.3 Setting up hot line telephones**

We have set up two hot line telephones for public security & stabilization to deal with all kinds of the hot points and difficulty which reflected by the residents any time and to analyze the cases each half year .

### **5.2.4 Mediation system constructing**

We created a new mediation system of “trinity” including residents’ mediation, administrative mediation and court mediation. The situation of the public security has been improved greatly through our efforts.

### **5.2.5 Heart-warming Project.**

The labor union of Kailuan Qianjiaying Community transferred relief fund to the poor staff-workers monthly. Before the Spring Festival every year, the members of the safety promotion committee visit the vulnerable groups’ families of the poor people & persons of permanent disability in the community to help them solve their problems.

### **5.2.6 Assisting the Impoverished Students in Golden Autumn**

. In order to solve the financial difficulties of the students at universities & colleges in the poor families in the community, the community has performed the activity on the topic of “Assisting the Impoverished Students in Golden Autumn”. The subjects of the activity are the Students whose families are at the lowest life level of the city residents who were admitted to the universities & colleges in the state plan and are very difficult to pay their tuition. The activity has gained good



social effect.

### 5.2.7 The Effort of Implementing Public Security Program

cases of public security year	reporting to police	criminal cases	public security cases	civil disputes	mediating civil disputes	Injured persons
2004	62	20	1	38	38	18
2005	56	1	28	21	21	12
2006	30	0	13	12	11	0

### 5.3 Traffic Safety

To have a better picture of traffic safety status, we performed the investigation through such as tracing emergency call history records, going to traffic accident site, random interview. In 2004, the number of the traffic injuries was 15 persons in which 11 were injured on the way to go to work & one was injured on the way to go to school.

We have taken following traffic injury preventive measures.

#### 5.3.1 Conducting the Activity of Traffic Safety Entering the Community

▲ 28 propaganda plates on traffic safety , 10 traffic signs ,5 speed down sections and 5 traffic markings were erected beside the roads or on the roads in the community by cooperating with 1st Brigade of Traffic Police of Luan District of Tangshan City . A car park of holding 55 cars was built that solves the problem of disorder parking in the community. A special road of 500m for transporting coal was built in the mining area and a road of 20000m from the mining area to the residential area was re-built. All these have greatly improved the traffic environment of the mining area.

▲ On 9<sup>th</sup> May, 2006 , Kailuan Qianjiaying Community , 1st Brigade of Traffic Police of Lunan District of Tangshan City and the People's Broadcasting Station of Tangshan held jointly a kick-off ceremony of the large activity on "Safeguarding life and Safely Walking & Driving " , and Leaving Uncivil Traffic Actions . 150 students from primary & middle schools, 150 staff-workers and 200 residents attended the ceremony. After that, the dancers and singers from Kailuan Song & Dance Ensemble, the traffic volunteers from primary school students, the staff-workers & residents from the community gave a wonderful performance of





the topic of traffic safety.

▲ In order to enhance the traffic safety awareness of residents , promote the residents to form well actions and reduce the traffic injuries of residents, the 1st Brigade of Traffic Police of Lunan District of Tanshan City persists in holding a propaganda & education activity each month in the community .

### 5.3.2 Conducting Activities of Traffic Safety Entering School

The safety education group holds the activity of “Traffic Safety Week” in the schools each term on the topic of enhancing traffic safety awareness reducing traffic injuries. The traffic safety awareness of the students has been improved through knowledge lectures on traffic safety given by the traffic policemen, soliciting articles competitions on traffic safety, the shows of caricature on traffic safety, the theme meeting on traffic safety of the students and knowledge contests on traffic safety.



*The students are taking the caricature contest on the traffic safety.*



*Knowledge lecture on traffic safety is being given .*

### 5.3.3 Conducting the Activity of “Traffic Safety Entering the Enterprises”

▲ The traffic signs & the prompting plates of traffic safety were set up in the enterprises and educational CDs of traffic safety were played frequently for the drivers in the enterprises & community .

▲ We have equipped 130 vehicles with the GPS for monitoring traffic safety situation to master accurately moving conditions of the vehicles .

▲ We conducted the activity of “The best driver” in the vehicle transport department of the community .

▲ The vehicle transport department takes specially safety education to its drivers from 16:00-17:30 each Monday.

▲ We have held the activities of “the Safety Contest on Traffic Safety Transport in Winter ” , “Discussion on typical accidents happened in winter” and “Analysis on typical accidents happened



during the Spring Festival transportation”. Besides, we have organized regularly the skilled workers to check and maintenance the vehicles to maintain it in a good condition. The excellent rate for the vehicles is up to 98%. Since conducted the activities form 2004, no traffic accident has happened in the traffic transport in winter.

#### 5.3.4 The Effects of Implementing the Program for Traffic Safety

##### Comparison of Traffic Injuries between 2004 and 2005

year	death	wound	disability	comparison
2004	1	12	2	
2005		10	1	lowering 27%

#### 5.4. House Safety

House safety group conducted survey and talked on house safety in order to have a clear picture of house safety status. The result shows that the main cases of the house safety are that people are short of the safety knowledge on electricity & liquefied gas, while people who have contracted the diseases are easily to injury even to death.

House safety group has taken following prevention measures.

##### 5.4.1 Enhancing the Education on House Safety.

We set up some propaganda plates with the topic of house fire & guarding against theft, preventing diseases and healthful diet, distributed “Propaganda Outline of Safe Community Building”, pieces of “A Letter to the All Residents”, books of “Residential Safety Manual” & “The Manual on Constructing Safe Community & Building Spiritual Civilization.” Each family has a set of the materials.

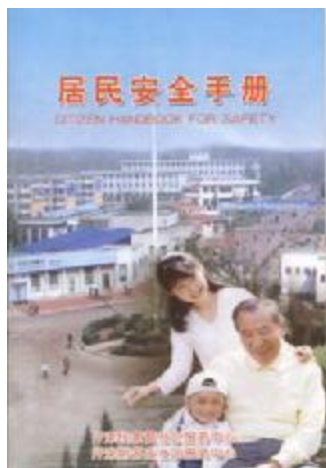
##### 5.4.2 Civil Safety School

On 14<sup>th</sup> Sep., 2004, the safety education promotion group set up the civil safety school, worked out the “Teaching Plan of the Civil Safety School of Kailuan Qianjiaying Community”, “Teaching Institutions of Civil Safety School”, defined the clear teaching objectives & contents, and specifically worked out teaching time & place, students, teachers & teaching materials. In these two years, the civil safety school has given lectures more than 60 times on the knowledge of house first-aid and preventing all kinds of diseases according to the teaching programs and more than 2500 people accepted the lectures.

##### 5.4.3 Environmental Protection



The environmental safety group held the propaganda & education activities on refusing white pollution, using phosphorus free detergent, promoting to use environment-friendly refrigerator & air-conditioner and reducing pollution. More than 200 residents attended the activities.



**Lecture Program of the Civil Safety Residents School in 2006**

lecture time	content	units of giving lecture
10.1,2006	safety education to the staff-workers underground during the two festivals	sub-district office
20.1,2006		
10.2,2006	house safety education :how the old & children to use electricity and gas safety	safe production group
20.2,2006		
10.3,2006	knowledge training on constructing safe community	office of safe community
20.3,2006		
10.5,2006	knowledge lecture on preventing common gynecologic diseases	health group
20.5,2006		
10.7,2006	environment-friendly education of “Loving & Protecting the Homeland”	environmental safety group
20.7,2006		
10.8,2006	education on traffic safety on roads	traffic safety group
20.8,2006		
10.9,2006	education on reproduction & health of women	health group
20.9,2006		
10.10,2006	safety knowledge education on sports	primary middle schools
20.10,2006		
10.11,2006	safety knowledge education at public places	sub-district office
20.11,2006		
10.12,2006	network safety education to the students	primary & middle schools
20.12,2006		

**5.4.4 Strengthening the construction for basic facilities**

Strengthening basic facilities construction since 2004, the community has invested RMB 820,000 yuan to improve the basic facilities of water-supply system, electricity-supply System and heat-supply system to



heighten the safety factors of water and electricity used by residents.

#### **5.4.5 Setting up “115” Hotline.**

Kailuan Qianjiaying Community’s “115” aid hot line of house safety services around the clock takes charge of answering timely help lines to solving the problems like water supply, electricity supply and heat supply, then notices the relative units and department to deal with it . Up to now, we have received the aid help calls of 1200 times and 856 problems on house safety have been solved.

#### **5.4.6 Testing the Safety Knowledge of Residents.**

We persist in testing the knowledge on house safety of residents each half year. The test covers the safe practice in water, electricity, gas, pressure cooker. After that, the residents are organized to watch CDs on “Loving Life & Safe Movement” to educate residents to know the relative safety knowledge.

#### **5.4.7 Propaganda Week on Saving Water & Electricity.**

From July 1-July 7 each year, the community hold the propaganda week activity on saving water & electricity with the topic of “Saving Energy Sources from Ourselves”. During the activity, we set up the consulting desk on saving water and electricity, distributed leaflets of “Increasing Use Rate of Energy Sources, Constructing the Conservation-Conscious Community” and show the pictures on saving water & electricity.

#### **5.4.8 Identifying the Dangerous Sources in the Residential Houses**

In Aug of 2006, the joint check group formed by the safe community office, safety education group and house safety group checked the dangerous sources against household appliances, productive & life articles, daily dangerous articles in houses and common medicines in each family in the community. We have removed hidden dangers by cooperating with the sub-district office, the property management department.



*Identifying the Dangerous Sources in the Residential Houses*



#### **5.4.9 Building the Side Walk for the Disabled Persons.**

We built the sidewalk for the persons with disabilities to ensure them to move safely & conveniently.

**5.4.10** From 2005 till now, there was no injury case of gas poisoning, electric shock, fire and food-poisoning.

### **5.5. Fire Safety**

By investigating and random interview, we found that the residents of Kailuan Qianjiaying community do not pay full attention to the fire safety and are off their guard. The fire facilities are not complete. We have performed following fire safety preventive measures.

#### **5.5.1 Strengthening the Fire Facilities Construction.**

The community equipped the 226 sets of fire extinguishers& accessory boxes and erected more than 800 lamps controlled by sound in the residential buildings.

#### **5.5.2 Checking Fire Safety.**

The members of fire safety group & fire-fighting volunteers check the fire facilities each month and have removed some hidden dangers.

#### **5.5.3 Holding the Propaganda & Education Activity on Fire Safety**

The fire safety group holds a large propaganda activity and fire control exercise each year.

▲ On 12<sup>th</sup> June,2005, the community held a comprehensive propaganda activity on the “Safety Consulting Day” with the topic of “Observing the Rules & Regulations & obeying the law , Loving life” and on 17<sup>th</sup> June, 2006, held the propaganda activity on “Fire safety lies in prevention ” . In the activity, we had showed more than 100 wall pictures about fire-fighting & safety, distributed the safe propaganda sheets 250 pieces.

▲ Holding Fire-fighting Exercise. In Oct. 2005 and May 2006. The fire safety group organized residents of more than 500 to attend two fire control exercises and educate them to save themselves and escape from fire.



*Fire control exercise*



*The propaganda activity on fire safety knowledge.*

#### **5.5.4 Holding the Activity of “119 Fire Fighting Day”**

We hold the “Fire Fighting Day” activity in the forms of showing fire fighting pictures, consulting fire safety knowledge, distributing fire propaganda sheets, putting up fire posters, watching CDs programs on fire-fighting cases and holding the fire-fighting exercises to make the residents enjoy the education and strengthen the awareness of fire safety on 9<sup>th</sup> Nov. each year.

#### **5.5.5 Training the Volunteer Firefighters.**

The fire safety group trains the fire-fighting volunteers on fire-fighting knowledge each year. 59 fire-fighting volunteers were trained in 2006.

**5.5.6** Since 2004, no fire has happened in the community.

### **5.6 Elderly Safety**

In 2004, health promotion group conducted a survey on elderly safety in the community. There were 304 senior residents above 65 years in the community.

We have taken following elderly safety preventive measures.

#### **5.6.1 Safety Promotion Programs**

▲ Holding the consulting activities on preventing the common diseases and mental health for old people;

▲ The medical personnel develop the free diagnosis for old people regularly in the community .

▲ The medical personnel of the community hospital develop room service for old people inconvenient to go to hospital.

▲ The community organizes the retired staff-workers with occupational diseases to recuperate each year.

**5.6.2** Building the activities station involving reading room, gym, ping-pong room, chess & cards



room and class room for old people.

**5.6.3** Holding the recreational and sport teams for old people, Such as ping-pong team, stickball team, dance team, traditional opera team and Taiji boxing team.



*The dance team of old people is showing.*



*The medical volunteers are making free diagnosis for the old people.*

**5.6.4** Inviting the medical experts to give lectures on health for old people.

## **5.7. Child safety**

In 2004, there were 1015 children within age 0-15 in the community. The investigation showed that primary school students were subjected to accidental injury easily.

**Safety promotion group has taken following child safety preventative measures.**

**5.7.1** Bringing safety education into the teaching plan in Qianjiaying primary school;

**5.7.2** The community hospital has set up the health files for the children within age 0-6.

**5.7.3** The community hospital had a physical examination for children below six years old free of charge.

**5.7.4** The traffic officers from 1st Brigade of Traffic police of Tangshan City come to the primary & middle schools to give the lessons on traffic safety to the students each term.

**5.7.5** The traffic safety group put on a traffic safety show involving pictures, caricatures and handwritings drew & wrote by students more than 200 in Qianjiaying Primary School.

**5.7.6** Holding the meeting on the topic of “Safety”. On 16th March, 2006, Qianjiaying Primary School held meeting on “Safety Accompanies Us on Our Ways.” for reducing the injuries caused by traffic accidents.



*The theme meeting of "Safety" exercises*



*Primary school students were escaping from fire.*

**5.7.7** On 17<sup>th</sup> May, 2006, fire safety group and Qianjiaying Primary School organized jointly the students to attend the fire fighting exercise of escaping from fire and showed them how to use fire-fighting appliances. The firemen of Kailuan Qianjiaying Fire-fighting Team told the teachers & students how to avoid sudden fire & how to use correctly fire hydrants and took a fire-fighting exercise.

Since implemented the program, the children injury rate has been decreased distinctly.

### 5.8. Sports safety

The statistics of sports injuries shows that 13 once got injured of different severity from sports in 2004.

**The Table on the Sports Injuries in 2004**

age	Number of injured person	injured cases			
		at home	percentage	in sports	percentage
0-14	7			7	53.8
15-24	5			5	38.5
25-64	1			1	7.7
above 65					

Following sports safety preventative measures have been taken.

**5.8.1** The sports injuries of residents in different ages have been reduced or avoided by giving them the lectures and distributing the propaganda sheets on sports safety.

**5.8.2** Checking & maintaining the sports facilities in the community each month.

**5.8.3** Setting up the safety alert plates beside the open-air sports facilities.

**5.8.4** Building a Qianjiaying Mining Branch-company Recreational & Sport Activities Center including bowling hall, basketball hall, library, reading room, gym etc. for the staff-workers.

**5.8.5** Holding all kinds of sports activities, such as the staff-workers games in Spring, old people games and the primary & middle schools games.



*The Primary School Games in Spring*



*The Old People Games in Spring*

Since implementing the program, just one injury accident has happened.

### **6. The Fourth Standard of Safe Communities**

**Programs that document the frequency and causes of injuries.**

#### **6.1. Injury investigation for residents in the community.**

(1) We set up and improve progressively the record & statistical systems on the injuries in the community according to the actual cases. See major approaches below.

(2) The statistics of injuries include age of the victim, types of injury, wound degree, causes of injury, etc. The analysis will be made on conditions, frequency, causes of injury, which provides reliable assumption to the safety promotion programs in the community. An injury data network integrating hospital, general office of the community and local police station has been established.

▲ The statistical data on the injuries is from the community hospital neighborhood committee, police substation, primary & middle schools and Kailuan Qianjiaying Mining Branch-company.

▲ The local hospitals provide statistics of domestic injuries.

▲ The local police station provides statistics of injuries in public security, fire fighting and traffic.

▲ The general office of the community is responsible for the collection of resident's information, the draft of statistical system and the improvement of injury report.

#### **6.2. Data statistic on the injuries in the community**

The community conducted two injury surveys respectively in 2004 and 2006. Surveys cover: total population, age profile, gender profile and occupational profile, common sense on safety, safe behavior and knowledge on injuries.

#### **Statistics of Survey in 2003**

age	0-14	15-24	25-64	above 65	total
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traffic injury	0	2	16	1	19
house injury			4		4
sports injury	3				3
injury at work-site			60		60
total	3	2	80	1	86

**Statistics of Survey in 2004**

age	0-14	15-24	25-64	above 65	total
traffic injury	0	2	13	0	15
house injury			3		3
sports injury	7	5	1		13
injury at work-site		1	47		48
total	7	8	64		79

**Statistics of Survey in 2005**

age	0-14	15-24	25-64	above 65	total
traffic injury	1	1	9		11
house injury		1	1		2
sports injury			1		1
injury at work-site		1	37		38
total	1	3	48		52

**7. The Fifth Standard of Safe Communities**

**Evaluation measures to assess their programs, processes and the effects of change.**

We persist in analyzing & evaluating comprehensively & systematically the work on safe community building respectively each month. See major approaches below.

**7.1 Investigating the satisfactory-degree from residents**

We invested the satisfactory degree from the residents of the of safe community building, social security, residents' education, cultural construction in the community and service quality of the community respectively .After systematically analyzing the investigation results, we found that some vulnerable spots in residents injuries were still existed. The improved measures were taken timely.

**7.2 Implementing safety inspection**

▲ We organized monthly the residents' representatives, volunteers and fire-fighters to check focally the dangerous sources of fire, traffic safety, electricity safety, health & environmental safety and work place safety.

▲ The fire safety group , environmental protection group , health group and house safety group check basically fireproof , environment & food sanitation and house safety in the community each month respectively .



▲The work place safety group and the relative groups check basically the key places, facilities, equipments of major dangerous sources and the conditions of other equipments to remove the hidden dangers found in the check in time . The Safe Community Office analyses regularly the hidden dangers and improves the plan timely. Since constructing safe community, we have found and removed 299 dangers.

### 7.3 Investigation on Safety Knowledge Rate

We persist in investigating on the safety knowledge rate of residents once each year. The neighbor-hood committees and volunteers came into each family in the community and investigated on the residents' safety knowledge knowing rate by the questionnaires & asking and answering.

**The Total Table on the Safety Knowledge Knowing Rate of the Residents in 2005**

content	knowing rate	content	knowing rate	content	knowing rate
aid hot line	80%	traffic safety	83%	work safety	88%
electrical knowledge	85%	sport safety	79%	civil action	86%
gas knowledge	75%	movement safety	85%	AIDS	77%
Fire-proof knowledge	72%	health daily	86%	First-aid knowledge	51%

**The Total Table on the Safety Knowledge Knowing Rate of the Residents in 2006**

content	knowing rate	content	knowing rate	content	knowing rate
aid hot line	98%	traffic safety	96%	work safety	96%
electrical knowledge	95%	sport safety	98%	civil action	95%
gas knowledge	92%	movement safety	98%	AIDS	91%
fire-proof knowledge	97%	health daily	99%	First-aid knowledge	77%

### 7.4 Testing and analyzing of injury data and assessing their programs

Testing & verifying the reliability of the residents' injuries record & collecting the data. Kailuan Qianjiaying Constructing Safe Community Office tests & verifies the reliability of all injuries and collects them. Comparison of sports injury cases during three years shows that injury cases decreased by 40 in the corresponding period.

## 8. The Sixth Standard of Safe Communities

### Ongoing participation in national and international safe communities networks



Since constructing safe community, we have taken part in the national & international training & exchanges activities actively, kept close contact with COSHA and reported our safety promotion events to the COSHA.

### **8.1 Attending training**

In May, 2005, COSHA held the training class on building safe community in Kailuan Qianjiaying Community.

In Apr., and Dec., 2005, we attended respectively the training class on safe community building in Beijing and Beihai organized by COSHA. .

### **8.2 Attend national meetings**

The study conference on Safe Community Building of Beijing held by COSHA in June, 2004,

The seminar on Safe Community Building Criteria of Beijing held by COSHA in Nov., 2005.

The National High Level Conference on Safe Community in Jinan held by COSHA in March, 2006.

The National Occupational Safety and Health Seminar (mainly covering China Mainland, Hong Kong, Taiwan, Macao) in Xi'an held by COSHA.

The Annual Conference of National Occupational Safety and Health held by COSHA in May, 2006.

The Conference of Safe Communities of Beijing held by COSHA in Sep., 2006.

### **8.3 Attending international conference**

The 14<sup>th</sup> International Safe Communities Conference in 2005, Bergen, Norway .

The 15<sup>th</sup> International Safe Communities Conference in 2006, South Africa.

### **8.4 Studying & exchanging**

We went to Shandong Youth Park Community for study & investigation in July, 2004, to Luan Group Community for investigating safe community building in Aug., 2005. The Constructing Group of Luan Group Safe Community came to Kailuan Qianjiaying Community for study & exchanging the experiences of safe community building in Apr. and May, 2005 respectively. Chairman Leif Svanström of WHO Collaborating Centre on Community Safety Promotion and Zhang Baoming, President of COSHA, came to Kailuan Qianjiaying Community to investigate & direct the construction work on safe community on 7<sup>th</sup> Apr., 2005. Deputy President Ji Mingbo of COSHA came to Kailuan Qianjiaying



Community to investigate & direct the construction work on safe community on 12<sup>th</sup> July , 2006 .

### **9. Conclusion**

The safety promotion programs on safe communities are developed overall in Kailuan Qianjiaying Community through our efforts more than two years. The wholly constructing work is developing healthfully & sustainable. Some achievements in safe community building have been gained through the support of the higher departments, the positive coordination of social units and wide participation of most residents. Since implementing the activity of constructing safe community, no maliciously violent case in families; maliciously safety accidents caused by incorrect operation and fire has happened in the community. Civil cases & public security cases, and other injuries have been reduced obviously. The safety awareness & quality of residents are improving gradually. The whole community assumes a civilized, safe & harmonious atmosphere.

### **10. Sustained Improvement**

According to the principle of sustainable improvement, the key point on preventing injuries in our next-step work is to prevent and reduce the miners' injury underground at work-places, juvenile injury and traffic injury. Kailuan Qianjiaying Community will condense the common will of most residents and bring every positive factor in all circles of the society to perform safety promotion during safe community building.

We solemnly promise that we will organize and drive the promotion of safe community according to the criteria of WHO Collaborating Centre on Community Safety Promotion and do our best to reduce accidental injuries & accidents of residents to the minimum level.