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APPENDICES

APPENDIX 1: Questionnaire Form

Hospital Name Ban-Chang

Province Rayong

Number 120 bed

Instruction Please mark (/) on table below

1. Done = 1 score
2. Undo (it shows cause of problems) a = lack of personnel b = lack of knowledge
c = lack of equipment/resource d = other (Point out)

Standard and Procedure	Score	Evaluation & Result				Recommendation	
		Done	Undo				
			a	b	c		d
Occupation Health							
1. Organization and Management							
1.1 Policy declaration	1	/					
1.2 Personnel							
1.2.1 Occupational Doctor	1	/					
1.2.2 Occupational health doctor short course training	1	/					
1.2.3 Occupational Health nurse short course training	1	/					
1.2.4 Occupational health technical official training	1	/					
1.2.5 Occupational health laboratory official training	1	/					

1.3 Organization chart of command and show	1	/				
1.4 Job specification						
1.4.1 Job description (1)	1				/	Lack of cooperation
1.5 Occupational health hospital committee	1	/				
1.6 Meeting act 4 of each year	1	/				
1.7 Act internal meeting	1	/				
1.8 Participatory action plan between unit	1	/				
1.9 Occupational health and safety plan in hospital (2)	1				/	Lack of cooperation
1.10 Guideline for occupational health action (3)	1				/	Lack of cooperation
1.11 Library	1	/				
1.12 Product report	1	/				
Total	16	13			3	
2. Information center of occupational and environment health, hazard, occupational and environmental medicine						
2.1 Occupational and safety information						
2.1.1 Treatment statistics	1	/				
2.1.2 Industrial data	1	/				
2.2 Fundamental data occupational health						
2.2.1 Area risk	1	/				
2.2.2 MSDS (Material Safety Data Sheet)	1	/				
2.3 Problem analysis	1	/				
2.4 Area information in problem solving	1	/				

Total	6	6					
3. Occupational health safety service in hospital							
3.1 Walk-through survey	1	/					
3.2 Accident investigation	1	/					
3.3 Job safety monitoring and control	1	/					
3.4 Official plan on fire evacuation (4)	1				/		Lack of cooperation
3.5 Fire rehearsal plan (5)	1				/		Lack of cooperation
Total	5	3			2		
4. Industrial hygiene service in hospital							
4.1 Work environment detection							
4.1.1 Walk-through survey	1	/					
4.1.2 Job safety analysis (6)	1				/		Lack of personnel
4.1.3 Environmental Measurement							
1. Noise	1	/					
2. Light	1	/					
3. Heat	1	/					
4. Dust	1	/					
5. Chemical	1	/					
6. Environmental testing (7)	1				-		Lack of personnel
4.2 Environmental assessment at work	1	/					
4.3 Environmental health consultant at work	1	/					
4.4 Cooperate with other division where concerned with standard of environmental controlling (8)	1				/		Lack of personnel

4.5 Evaluation and monitoring in problem solving on environmental (9)	1				/	Lack of personnel
4.6 Eliminate all risk to occupational medicine at the hospital (10)	1				/	Lack of personnel
Total	13	8			5	
5. Occupational medicine service in hospital						
5.1 Official pre-placement exam for staff (11)	1				/	Lack of awareness
5.2 Occupational medicine exam for hospital personnel	1	/				
5.3 Personnel sickness analysis (12)	1				/	Lack of awareness
5.4 Immune for risk factor to staff (13)	1				/	Lack of awareness
Total	4	1			3	
6. Occupational Medicine service for working people						
6.1 Occupational medicine service						
6.1.1 Occupational medicine clinic	1	/				
1) Occupational Lung (Occ. Lung) clinic	1	/				
2) Skin disease clinic	1	/				
3) Burn Unit clinic	1	/				
4) Special decontamination room for showers laundry chemical exposure	1	/				
6.2 Pre-placement exam service						
6.2.1 Pre-employment	1	/				

6.2.2	During regular work-day	1	/					
6.2.3	After regular work-day	1	/					
6.2.4	Pre-retirement	1	/					
6.3	Equipment use for occupational medical exam							
6.3.1	Lung function test	1	/					
6.3.2	Visual exam	1	/					
6.3.3	Audiogram	1	/					
6.3.4	Personal fitness test	1	/					
6.4	Early detection of disease	1	/					
6.5	Occupational health referral system network	1	/					
6.6	Passive occupational referral system from industry	1	/					
6.7	Laboratory quality control development							
6.7.1	Primary laboratory medical detection	1	/					
6.7.2	Primary laboratory quality control	1	/					
6.8	Technical consultant to service personnel	1	/					
6.9	Emergency service preparation in hospital	1	/					
6.10	Preparation plan for accident in written (14)	1				/		No written plan
6.11	Mass casualty internal plan exercise each year (15)	1				/		No written plan
6.12	Mass casualty plan exercise each year between (16)	1				/		No written plan
6.13	Health record	1	/					
6.14	Health promotion and prevention services							

6.14.1 Mobile team for occupational health service	1	/				
6.15 Surveillance system for occupational disease reporting						
6.15.1 Lead poisoning reporting	1	/				
6.15.2 Silicosis reporting	1	/				
6.15.3 Hearing loss reporting	1	/				
6.15.4 Ergonomics reporting	1	/				
6.15.5 Pesticide poisoning reporting	1	/				
6.15.6 Other poison reporting	1	/				
6.16 Work safety surveillance	1	/				
6.17 Environmental surveillance	1	/				
6.18 Investigation team for work accident	1	/				
6.19 Occupational health education by risk factor for employees	1	/				
6.20 Manufactory occupational health education by medical condition	1	/				
6.21 Manufactory employee re-check from hospital and treatment	1	/				
6.22 Monitoring and evaluation for decrease problems	1	/				
6.23 Legal consultant services	1	/				
6.24 Cooperative rehabilitation	1	/				
Total	40	37			3	
7. Personnel training						
7.1 Medical training plan for						
7.1.1 Technical meeting	1	/				

7.1.2 Short course training	1	/					
7.1.3 Study tour	1	/					
7.1.4 Post-graduate study	1	/					
7.2 Nurse training plan for							
7.2.1 Technical meeting	1	/					
7.2.2 Short course training	1	/					
7.2.3 Study tour	1	/					
7.2.4 Post-graduate study	1	/					
7.3 Occupational training for							
7.3.1 Technical health official	1	/					
7.3.2 Government and private in occupational health team	1	/					
Total	10	10					
8. Occupational health education service							
8.1 Occupational information data for public							
8.1.1 Employee	1	/					
8.1.2 Employer	1	/					
8.1.3 Volunteer	1	/					
8.2 Special groups in occupational health education							
8.2.1 Factory owners	1	/					
8.2.2 Community leaders (17)	1				/		Lack of budget support
8.2.3 Work place health education	1	/					
Total	6	5			1		
9. Investigation/research for occupational health improvement in local area							

9.1 Identification safety or occupational disease	1	/					
9.2 Health service research (18)	1					/	Plan for next project
Total	2	1				1	
Grand Total	102	84				18	

Standard and Procedure	Evaluation Product		
	Prepared	Un-prepared	None
10. Medical Equipment			
10.1 Environmental sample test equipment			
1) Personal air sampling pump	/		
2) Sound level Meter	/		
3) Lux Meter	/		
4) Wet Bulb Globe Thermometer Index (WBGT)	/		
5) Gas Chromatography	/		
10.2 Occupational Medicine Equipment			
1) Visual test	/		
2) Lung Function test	/		
3) Audiometer	/		
4) Fitness test	/		
10.3 Laboratory Equipment			
1) Atomic Absorption (AA)	/		
2) High Performance Liquid Chromatography (HPLC)	/		

APPENDIX 2: DEFINITION

“Occupational Medicine” is defined as a specialty field of medicine concern with the assessment, maintenance, restoration, and improvement of the health of worker through the application of the principle of preventive medicine, emergency medicine care, rehabilitation and environmental medicine.

(American Board of Preventive Medicine)

“Work Safety” means the working condition, which is free from any cause of accident, exposure to danger disease, illness, trouble or annoyance resulting from or in connection with working.

(Notification of the Ministry of Labour and Social Welfare in September B.E. 2541)

“Environmental medicine”

Environmental Medicine, the clinical arm of environmental health, involves the diagnosis and prevention of illness caused or influenced by external agents (particularly chemical and physical agents) in a person’s environment.

(Stuart Brooks, 1995)

“Industrial Hygiene”

Industrial Hygiene defined as environmental factors or stressors chemical, physical, biological, and ergonomic that may cause illness, impaired health, or significant discomfort to employee or residents of the community.

(Chicago: National Safety Council, 1997)

CURRICULUM VITAE

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