

Occupational Health and Safety

Health and safety are considered crucial to the operations of the company, as accidents in the workplace, production processes, transportation, and services can have significant impacts on stakeholders. Injuries, fatalities, and property loss for workers, contractors, and nearby communities, as well as business disruptions due to production halts for remediation, can result. Therefore, the company has established policies regarding safety, occupational health, and the environment to ensure that employees and contractors have responsibilities and are accountable for their safety and the safety of their colleagues, in accordance with local laws and international standards such as **ISO 9001:2015** and **ISO 14001:2015**. The company operates in alignment with safety management systems under the safety, occupational health, and environmental committee to continuously develop an effective and efficient safety and health management system.

Safety, Occupational Health and Working Environment Policy

as published on the website

<https://www.ttwplc.com/storage/about/policy/20240208-ttw-safety-occupational-health-and-working-environment-policy-en.pdf>

Occupational Health and Safety Strategy

Strategy		
Building occupational health and safety standards for employees at all levels.	Increase the potential and awareness of work safety.	Strictly comply with the laws and regulations applicable to employees.

Goal in 2024

0	0	0	None	1 Not less than (Time/Year)
Occupational Injury and Illness Frequency Rate (OIFR)	Lost Time Injury Frequency Rate (LTIFR)	Fatality Rate (Fatality Rate)	Significant Release of Chemicals : Environmental Hazard"	Emergency Preparedness Drills and Reviews Training

Long-Term Goals

0	0	0	None	4 Not less than (Time/Year)
Occupational Injury and Illness Frequency Rate (OIFR)	Lost Time Injury Frequency Rate (LTIFR)	Fatality Rate (Fatality Rate)	Significant Release of Chemicals: Environmental Hazard"	Emergency Preparedness Drills and Reviews Training

Occupational Health and Safety Operations

The Company appoints the **Occupational Health, Safety and Environment Committee**, responsible for considering the policy, operation plan, and occupational safety training plan to prevent and reduce the occurrence of accidents or problems caused by work, report and suggest measures or solutions to correct the laws related to occupational safety and work safety standards to the executives in order to safety for employees, contractors and third parties who come to the Company area including a survey of safety in the workplace, verify the accident statistics, set up an unsafe work reporting system to be the duty of all employees at all levels.

The Company uses safety principles as a criterion for all stakeholders to strictly abide by in addition to complying with the specified laws. Therefore, the Company established a framework for operating safety, occupational health and working environment in written form as well as applying international standards the Company's ethical which defines the criteria or implementation and guidelines for operational excellence covering safety practices, which are summarized as follows :

1. Safety, Occupational Health and Working Environment

1.1 Establish regulations and standards that have measures not less than laws and international standards, which employees must strictly comply with the relevant laws, policies, requirements, and standards.

1.2 Safety management regarding to audit of the attest law and the status of the formerly law to comply with various relevant laws, review the measures of safety work supervision (Rule, Regulations, and manuals), review the contingency plan for efficiency in line with actual operations, review and establish an annual safety plan reports to government agencies.

1.3 Examine the safety and working environment such as machine, tools and electrical systems, crane (by an external agency), vehicle safety, mobile machine, e.g. forklift, and dump truck as well as requesting for permission to work according to the specified job description, inspection of the working area, label, various safety symbols, maintenance system, fire suppression system, storage, receiving flammable and chemical materials, measure the intensity of light both day and night, measure the noise and heat in the work area, and measure the amount of dust and chemicals in the atmosphere.

1.4 Provide safety equipment such as various safety symbols, symbol color as well as provide personal protective equipment, e.g. safety hat, safety shoe, other personal protective equipment according to the nature of work for which permission is granted, provide emergency notification equipment, emergency suppression device, and calibration of various gas meter equipment in the work.

1.5 Control and prevent the various forms of loss caused by accident, fire, work-related illness, lost or damaged property, Security violation, and not working properly as well as various mistakes, provide a safe working environment, appropriate and adequate safety equipment, this include the executives and employees are required to report accidents and incidents according to the specified steps.

1.6 Public relations and communication about policies, regulations, procedures, methods and safety precautions to employees, contractors, and stakeholders to operate properly, it does not pose a danger to health, property, and the environment.

1.7 Any operation that is unsafe or fails to comply with regulations and safety standards, temporarily stop that work and inform the relevant persons, supervisors, and the responsible department for further corrections.

2. Requesting Permission to Work at Risk and Contractor's Work

Requesting permission to work in the matter of safety is the matter of risk which requires verification of worker readiness, availability of equipment, tools, and machines including the readiness of the environment to be ready and secure enough before being allowed to start working by specifying the type of license are as follows :

2.1 General Entry Permit for general entry operation such as cleaning, painting, and/or others that does not involve the system or the shutdown of all systems within the water production plant and the work of the contractor.

2.2 Hot Work Permit for work that generates sparks such as electric welding, gas welding, and/or others where sparks or heat are generated inside the water treatment plant.

2.3 Shut Down Electrical System Permit for work that requires shut down the electrical system, both high voltage system and low voltage system within the water treatment plant.

2.4 Excavation Permit for the work that requires drilling by drilling equipment such as hoe, and spade as well as heavy machinery such as backhoe, or drilling machine in the water treatment plant.

2.5 Mechanical Isolation Permit for applications where pressure is required to cut off the pipe system and testing of various systems and pressures in the water treatment plant, consist of water, air and chemical systems.

2.6 Confined Space Entry Permit for work that requires entering a confined space (According to the Ministerial Regulation prescribing administrative and management standards for occupational safety, health and working environment in confined spaces, C.E. 2004) within the water treatment plant.

3. Risk Assessment and Incident Investigation

The Company is aware of operational risks that can arise at any time without regular risk management and assessment systems. Therefore, the Company has assessed two types of occupational health and safety risks which are: risk of chemical spills namely chlorine, and risk from work accidents. The risk management guidelines have been defined as follows :

Occupational Health and Safety Risks	Risk Management Methods
Chemical spills (chlorine)	<ul style="list-style-type: none"> • Install the Chlorine Scrubber system. • Follow the operational plan manual. • Strictly follow the rules or regulations on occupational health and safety.
Work accident	<ul style="list-style-type: none"> • Work training. • Practicing emergency response, work accidents according to the operational plan. • Assess risks regularly.

4. Occupational Health and Safety Services

The Company regards to the employees' good quality of life, thus providing occupational health and safety services such as annual health check-up, health insurance, life insurance, COVID-19 insurance, providing first aid equipment, hazard warning labeling including defines operating procedures and strictly supervises to provide employees with safety in terms of life and property as well as good physical and mental health as a result, the employees have the strength to work with the engagement.

5. Employee Participation in Occupational Health and Safety

Employee participation is a key strategy, we believe that employee participation will ensure the credibility of the organization. Enthusiasm and cooperation will result in the achievement of its intended objectives: **“Zero” Injury & Illness Free Operation** by creating facilitates system that continued participation in safety activities of all employees at all levels. The participation activities are as follows :

5.1 Searching for the environment, circumstances and unsafe behavior of employees’ activity.

Measure the working environment, including light, heat, and sound as well as chemical hazards such as chemical vapors in the work area and environmental hazards, including the exhaust from electric generator, and wastewater from the toilet, etc. The measured value must not exceed the standards of the Ministry of Industry.

5.2 Safety Man activity

Assign all operational employees to act as a “Safety Man”, who will act as a safety officer per week. The objective is to ensure that employees are involved in taking care of safety by responsible for identifying unsafe working behaviors, risk assessment, figure out the hazard’s prevention submit to the Occupational Safety, Health and Environment Committee and Senior Executives to adopt the meeting resolution as a guideline for further safety operations. The activity focuses on the leadership of safety of the executives (Safety Role Model) to communicate important safety policies or activities, listening to safety issues or suggestions, and workers involvement in safety activities.

5.3 Leisure activity

Promote corporate culture, attitude, belief, work values without stress such as promoting exercise, and improve the workplace to facilitate the employees including improve the lobby for employees using to relax during working time. The objective is to enable all employees to work together with love and engagement.

6. Occupational Health and Safety Training

The Company realizes the importance of occupational health and safety knowledge of employees and stakeholders, thus training on safety is held regularly such as safety orientation for new employees or employees who must change their workplace and new job duties including training and drills for prevention and emergency response.

In addition, the company has prepared an annual occupational health and safety training plan. In 2024, the internal training courses are set as follows :

Training Courses	Participants (Person)	Training proportion compared to the total number of employees (%)
1. Training and practice on chlorine leak prevention using KIT-B equipment, chlorine system maintenance, and SCBA breathing apparatus use.	59	18.44
2. Safety, Occupational Health and Environment Manual	172	53.75
3. Safety in working with machinery	28	8.75
4. Energy Conservation : Energy Saving in Motor System	27	8.44
5. Safety in working with electricity and helping people who are injured by electrical accidents	25	7.81
6. Safety in working at height	30	9.38
7. Chlorine leakage prevention training using KIT-B equipment and SCBA breathing apparatus and basic firefighting training and firefighting and evacuation drills	321	100

In 2024 , both internal and external safety and occupational health training comprised a total of 27 courses, amounting to 3,224 hours. This reflects a increase of 623 hours or a 23.95 percent compared to the training hours in 2023.

7. Employee Stewardship in Occupational Health and Safety

Operational safety and employees' health are important, therefore, the Company has continuously provided employee stewardship in occupational health and safety on an annual basis, such as safety training and annual health check-ups etc.