Pollution and Resources Management

The Company's core business of construction projects carries the potential for pollution and environmental impacts across various areas, including air and noise pollution, waste management, and water consumption. The Company is therefore committed to developing efficient resource management practices alongside pollution prevention and mitigation throughout the value chain, through elevating project management to international standards, investing in green innovation, and fostering an environmentally conscious corporate culture.

The Company has developed climate change and environmental policies aimed at reducing negative impacts from business operations and promoting long-term sustainable development through environmental risk management, pollution control, and efficient resource planning and management.

The Company rigorously implements these policies and has obtained ISO 9001:2015 and ISO 14001:2015 certifications for quality and environmental management systems, reflecting its commitment to continuous improvement of operational standards. Project management teams develop operational plans, community and environmental impact management plans, conduct continuous quality inspections, and engage third-party consultants to monitor and report environmental impacts in accordance with project owner requirements throughout the construction period, ensuring accurate and transparent information for stakeholders.

Furthermore, the Company is actively extending these best practices to suppliers and stakeholders throughout the supply chain to collectively drive sustainable growth across the entire system.

Climate and Environmental Management Policy
https://www.civilengineering.co.th/storage/content/cg/document-download/20260123-civil-climate-environment-policy-en.pdf

Governance Structure

The Company has established an Occupational Health, Safety, and Environment Department responsible for overseeing, controlling, and monitoring resource and pollution management. The department maintains up-to-date environmental regulatory databases aligned with business operations and conducts scheduled internal audits to ensure compliance with relevant laws. Performance results are presented at annual meetings to review risks and propose continuous improvement initiatives.

Position	Roles and responsibilities
Executive Committee	• Establish management policies and strategies • Monitor the effectiveness of climate change and environmental management policies • Ensure management practices align with business ethics and sustainable development goals
Occupational Health, Safety, and Environment Department	• Determine acceptable risk levels and develop frameworks for systematic identification and assessment of environmental risks across the organization • Communicate climate change and environmental management plans and policies throughout the organization for implementation • Promote awareness among management and employees on the importance of climate change and environmental policies • Report on management activities to Executive Management to ensure compliance with standards and support achievement of Company targets
Business Unites	• Identify and report environmental risks related to operations

Position	Roles and responsibilities
	• Develop and implement environmental risk management plans • Monitor the effectiveness of controls implemented and report status to the Occupational Health, Safety, and Environment Department

Environmental Risk Assessment

The Company requires all production and construction activities to undergo environmental risk assessments in accordance with the ISO 14001:2015 environmental management framework. Assessments consider both likelihood and severity to determine appropriate risk management measures based on the level of risk identified.

Environmental risk management

Significance level	Control measures
High	1. Establish objectives, targets, and action plans within a defined timeframe 2. The working group develops continuous monitoring and surveillance plans
Medium	Establish documented measures or monitoring and surveillance plans
Low	No action required

Air Pollution Management

Production and construction activities may generate particulate matter (PM) and other air pollution affecting workers, communities, and the environment. The Company is committed

to controlling and minimizing these impacts through strict compliance with government dust control standards and comprehensive management approaches tailored to each project site.

Measures implemented include water spraying in earthwork areas to suppress PM; vehicle wheel washing before exiting construction sites to prevent contamination of public areas; traffic management within sites to reduce exhaust accumulation; dust nets and bag filter systems in high-risk areas and around machinery, particularly hot stone burners; dust barriers with covered collection pits; and buffer tree planting around operational areas to reduce both dust dispersion and noise impacts on surrounding communities.

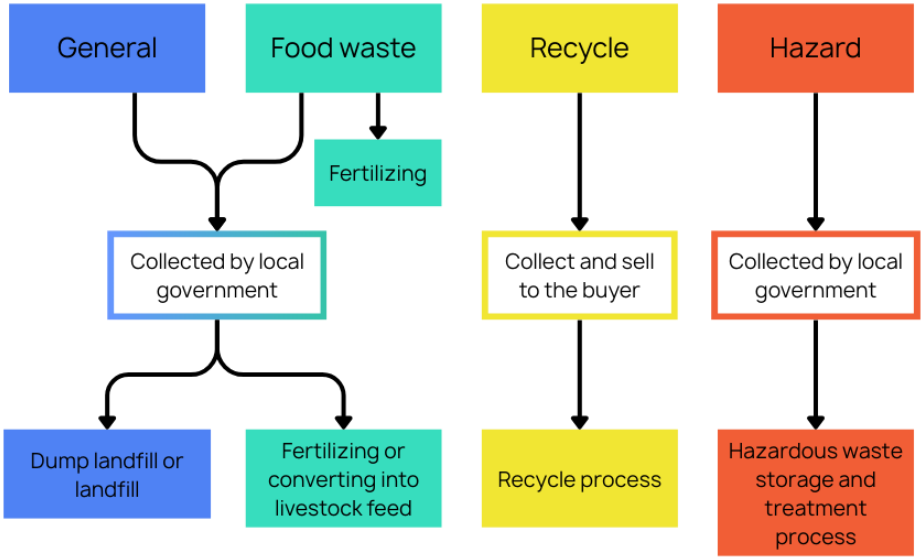
Waste Management

The Company is committed to waste management throughout all stages of business operations by controlling construction quality across all projects to minimize process waste and maintain environmental standards during construction by controlling contamination from construction debris, solid waste, and other waste generated at project sites in compliance with legal requirements.

Key measures include

- The Quality, Environment, and Occupational Health and Safety Policy Manual https://www.civilengineering.co.th/storage/content/cg/document-download/civil-manual-quality-environment-and-ohs-policy-en.pdf
- Implement and control procedures in accordance with ISO 14001:2015 covering suppliers working within Company premises
- Strict oversight by the Occupational Health, Safety, and Environment Department.
- Communicates and promotes awareness among employees and suppliers working at project sites to understand and comply with Company regulations,

from reducing waste generated by business operations to proper waste segregation at designated 3Rs stations. Regular communication is conducted through various channels such as notice boards, Safety Talks, and internal email announcements.



Water Security

The construction industry is inherently water-intensive, requiring substantial volumes for material production, large-scale infrastructure projects, and office utilities. As climate change intensifies drought conditions and increases competition for water resources across all sectors, water security has become a critical business risk.

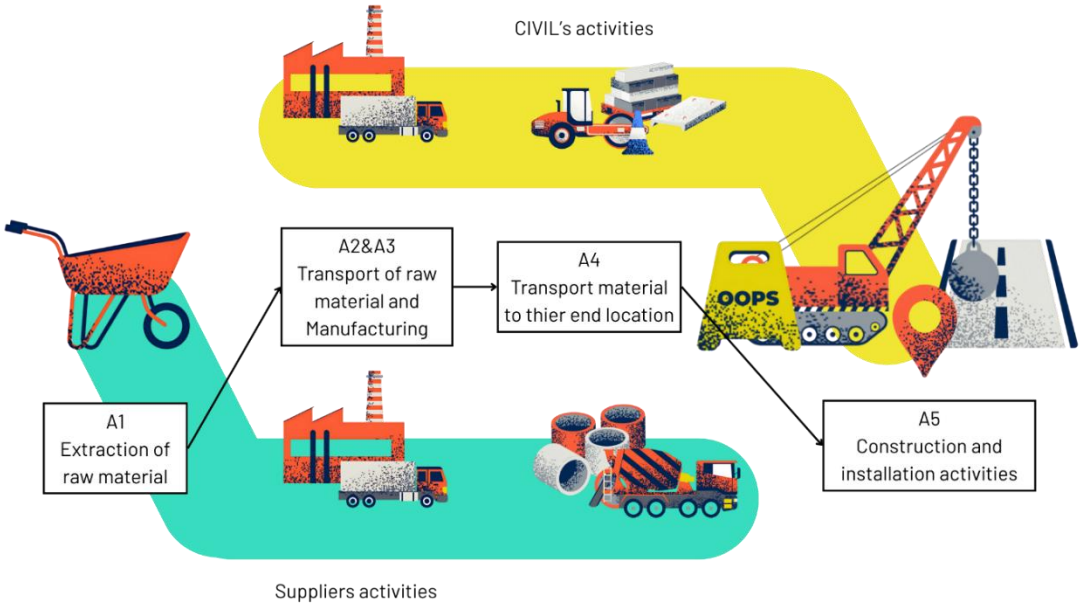
To address this challenge, the Company assesses water requirements at each construction stage to secure appropriate sources. Water efficiency measures are implemented based on the 3R principles: Reduce consumption, Reuse water where possible, and Recycle water back into operations.

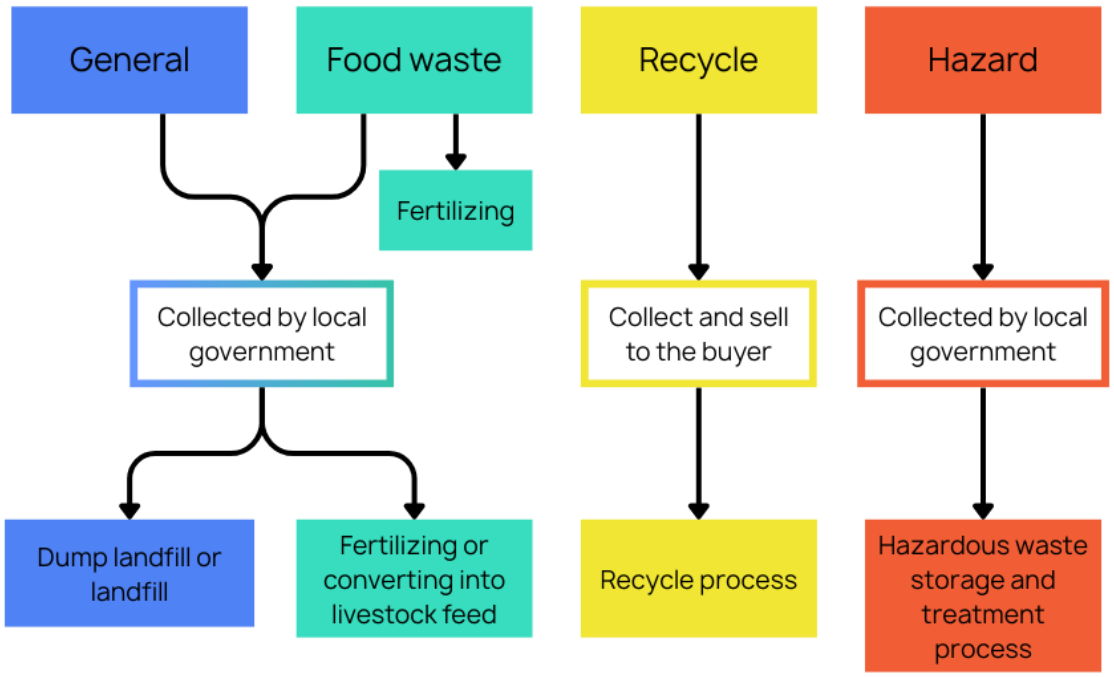
Recognizing that effective water management requires collective action, the Company actively engages stakeholders including employees, suppliers, and contractors through awareness campaigns promoting water conservation and mindful usage practices.

Effective Resources Management

The Company is committed to green construction and biodiversity conservation through sustainable supply chain management. Materials are sourced from environmentally responsible suppliers, while hazardous substances that impact health and the environment are avoided and eliminated including asbestos-based materials and those emitting volatile organic compounds (VOCs). Priority is given to energy-efficient materials, with established guidelines for reuse and recycling to minimize raw material consumption and construction waste. All operations comply with ISO 9001:2015 quality management standards to control community and environmental impacts.

To further enhance sustainability, the Company conducts Life Cycle Assessments (LCA) to evaluate environmental impact across all stages from material sources, production, and transportation to usage and disposal. These insights inform continuous improvements in construction processes and waste management, driving sustainable business development.


CIVIL's activities
A1
Extraction of raw material
A2&A3
Transport of raw material and Manufacturing
A4
Transport material to thier end location
A5
Construction and installation activities
OOPS
Suppliers activities


General
Food waste
Recycle
Hazard
Fertilizing
Collected by local government
Collect and sell to the buyer
Collected by local government
Dump landfill or landfill
Fertilizing or converting into livestock feed
Recycle process
Hazardous waste storage and treatment process