

# *Total solutions for waste management*

Asian Network



*Because tomorrow matters*



*There are ways to manage your company's waste effectively, reducing the amount of waste committed to landfills.*





*Geocycle is your reliable partner  
in waste management providing  
environmentally sound solutions.*

# About Geocycle

*Geocycle is a waste management brand of Holcim, one of the world's leading suppliers of construction materials.*

*Holcim is present in more than 70 countries and is offering waste management services in more than 35 of them. This and more than 18 years of experience with the technology of co-processing in cement kilns gives you the needed confidence that Holcim manages waste in a sustainable way. We follow all necessary environmental control standards and you can count on our available capacity and professionalism of our people.*



*In six countries in Asia, local Geocycle business units are offering customized waste management services according to local requirements and conditions ensuring highest service standards and environmental compliance.*

## Peace of mind

### **As a Geocycle customer you are assured of:**

- a safe, secure and environmentally sound solution to your waste concerns: waste is responsibly and comprehensively managed with no waste residue remaining
- the expertise and experience gained through waste co-processing at Holcim facilities in more than 35 countries
- high and rigorously monitored environmental and safety standards
- the capacity to handle large volumes of waste
- full compliance with local environment regulations and the setting of best practices
- a complete record and audit trail on the management of your waste streams
- protection of your corporate reputation – we help you avoid risks from scavenging or mishandling of waste materials

## *Geocycle customers*

Waste generation is universal. Here are a few sectors in which Geocycle is already making a difference for our customers:

- electrical & electronics
- food & beverage
- garment manufacturing
- paints & solvent production
- pharmaceuticals
- power generation
- shoe manufacturing
- steel & other metal manufacturing
- agriculture
- automotive
- chemicals
- furniture
- petroleum
- plantations
- printing
- retailing



*Local Geocycle business units operate across Asia*

# At Geocycle we turn waste problems into waste solutions

## The Geocycle approach

Provider of a wide range of waste management services



**1**

### Waste assessment

We can provide a complete survey of your waste and a full assessment of its suitability for co-processing.

**2**

### Waste analysis

We offer dedicated laboratory testing to thoroughly analyze your waste and ensure it is suitable. We at Geocycle are able to manage waste such as solids, sludge, liquids and even gases, including ozone-depleting and global warming gases such as refrigerants.

**3**

### Waste transportation

We provide a hassle free and seamless service – ensuring the waste is transported in appropriate packaging (often re-useable), with the required labeling and documentation and carried by operators with the correct skills, qualifications and permits.

*‘Resource consumption and environmental impact are carefully assessed and monitored to assure compliance with our company’s commitment. Since the establishment of our industrial site we have implemented the zero-discharge waste management principle. We trust Geocycle to handle our solid waste by the co-processing method. This complies with our ‘green and clean’ belief.’*

**Mr. Thanapat Sornkul, Managing Director, Amata Facility Service Company, Thailand**



## 4

### Pre-processing

Further analysis of waste is conducted in our laboratories if required. We have extensive facilities to blend liquids, shred solid materials and stabilize waste prior to its usage in kilns. Dedicated handling equipment and trained operators manage the various types of waste.

## 5

### Co-processing

Geocycle exclusively provides Holcim Group companies with waste which they safely co-process in cement production. Holcim cement kilns operate at temperatures of up to 2000°C – temperatures which leave no residue or waste after co-processing is complete. Co-processing contributes to the production of cement without deteriorating the quality of the cement.



**Geocycle business units have the ability to process many different waste streams including fine and coarse solids, liquids and sludge, as well as ozone-depleting and other greenhouse gases.**

#### Examples of such waste include:

- plastic & cloth
- paint sludge
- expired or off-specification products/raw material
- rubber waste
- used tires
- carbon dust
- solvents

- used oil or oil contaminated materials
- cooling water, waste water, cleaning water
- wood chip, sawdust, rice husk & other agricultural waste
- resins
- melamine
- blast furnace slag, copper slag
- fly ash, bottom ash
- mold sand
- refractory bricks
- used ceramics
- lime waste water sludge
- contaminated soil & mud

***A member of the Holcim Group***

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