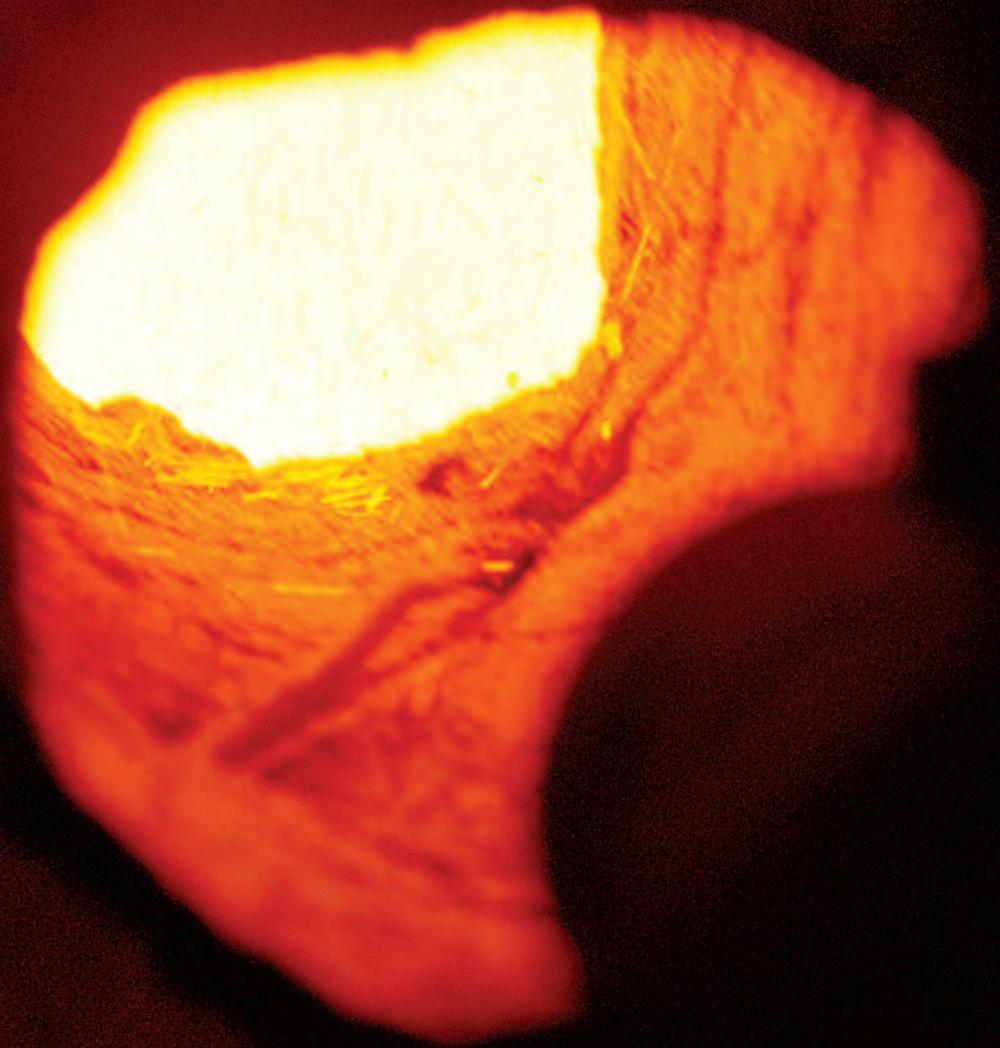


# Holcim Group AFR Policy

Holcim Ltd



# Policy Principles

The cement making process is energy and material intensive. Traditionally, fossil fuels and natural raw materials have been used to make clinker, the main ingredient to cement. To operate its business in a more environmentally, economically and socially beneficial way, Holcim is increasingly using non-traditional or “Alternative Fuels and Raw Materials” (AFR) for clinker production. AFR allows for the recovery of both energy and material from selected wastes thus conserving non-renewable natural resources.

To achieve these benefits in a responsible way, Holcim will follow this policy.

This policy voluntarily sets corporate goals which in some cases may go beyond local, national or regional regulations or legislation. The policy allows individual Holcim Group Companies to adapt to the best local practices to achieve these goals.

Holcim encourages frank and open discussion on these goals as a means of continuous improvement.

The policy, strictly internal in nature, is forward looking and is a series of goals that Holcim will strive to meet; it should not be viewed as an interpretation of local regulations or legislation.

# 1 Elements of Sustainability

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## Principle I

### When using AFR our goal is to act as a partner to society by offering waste management solutions

- a) We will take the initiative, when appropriate, to cooperate with authorities to develop environmentally, economically and socially sound waste management solutions.
- b) When using wastes that do not contribute either energy or material, their disposal in our cement kilns must be the best locally available solution.
- c) We will apply our AFR policy unabridged when considering international shipments of waste.

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## Principle II

### When using AFR our goal is to keep our environment safe

- a) When using AFR our goal is to contribute to the preservation of natural resources or to the reduction of the global environmental impact.
- b) Usage, storage and handling of AFR will be done in a manner to avoid spillage, leaching and degrading water quality as well as to limit fugitive emissions, odor and noise to reasonably acceptable levels.

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## Principle III

### When using AFR our goal is to add value to our core business

- a) We will use AFR to help realize our commitment to sustainable development.
- b) Our use of AFR should either reduce costs through the substitution of more expensive fossil fuels and raw materials or generate revenues by providing a service to our customers.
- c) This policy will govern our AFR-related business decisions.

## 2 What we will do

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### Principle IV

#### When using AFR our goal is to ensure occupational health & safety

- a) We, the employer, will provide appropriate precautionary measures such as data sheets, equipment, training, controls, procedures, health monitoring, facility design and emergency response planning to protect the health & safety of our employees.
- b) We, the employees, have the duty to use the measures provided by the employer and are responsible for following their rules.
- c) We, the employer, will provide relevant safety information to our sub-contractors and visitors to our premises.

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### Principle V

#### When using AFR we will not use the listed "banned wastes"

We will not use the following wastes:

Anatomical hospital wastes	Explosives
Asbestos-containing wastes	High-concentration cyanide wastes
Batteries	Mineral acids
Bio-hazardous wastes	Radioactive wastes
Electronics metals scrap	Unsorted municipal garbage

We will not use and we will refuse those wastes for one or more of the following reasons: health & safety issues; to promote adherence to the waste management hierarchy; other treatment options or processes should be used. Holcim can review and amend the list at any time.

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### Principle VI

#### When using AFR we guarantee the quality of our products

- a) We will ensure that our product quality remains within specifications.
- b) We will apply the same quality assurance, control methods and standards as for products made without the use of AFR.

## 3 How we will do it

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### Principle VII

**When using AFR our goal is to comply with the relevant regulations and to promote best practices**

- a) We will obtain permits and will comply with their conditions.
- b) We will promote the use of best practices when local regulations do not exist.
- c) We will assess health & safety and environmental risks prior to using AFR, even if it is not requested by the local regulations.

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### Principle VIII

**When using AFR our goal is to monitor and control the inputs, process, products and emissions**

- a) We will only accept wastes from parties whose practices we believe are consistent with this policy.
- b) We will understand the physical and chemical properties and the health & safety aspects of the wastes we accept. We will analyze the waste when necessary for this purpose.
- c) We will control volatile and leachable heavy metals.
- d) We will ensure the traceability of wastes from reception up to final treatment.
- e) AFR stocks will be limited to cover operational requirements.
- f) We will feed AFR at the appropriate introduction points and we will control the technical conditions of the plant that influence emissions, product quality and capacity.
- g) We will measure and monitor our emissions according to our corporate "Emission Monitoring & Reporting" standard.

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### Principle IX

**When using AFR our goal is to communicate transparently**

- a) We will communicate in a transparent way.
- b) Our messages will be consistent to our different stakeholders and be relevant to our relationships with them.
- c) We will engage with and listen to our stakeholders from the beginning when developing AFR initiatives.
- d) We will report on performance and progress on a regular basis.



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