

## **1.0 INTRODUCTION:**

**1.1** Understanding how our activities impact the environment is now an integral and vital part of our business strategies. With regards to the concrete blocks manufactured on our premises, the business needs to consider not only the environmental issues associated with the manufacturer of those blocks, but also the intended use of the blocks, their disposal and recycling of the blocks. The leading technique developed for this purpose is Life Cycle Assessment (LCA).

**1.2** LCA studies can assist in

- Identifying opportunities to improve the environmental performance of products at various points in their life cycle,
- Informing decision-makers in industry, government or non-government organizations (e.g. for the purpose of strategic planning, priority setting, product or process design or redesign),
- The selection of relevant indicators of environmental performance, including measurement techniques,
- Marketing (e.g. implementing an ecolabelling scheme, making an environmental claim, or producing an environmental product declaration).

**1.3** An LCA study is generally considered to consist of four phases:

- a) The establishment of the goals and scope of the assessment;
- b) The drawing up of an inventory of the input materials and energy, and the output emissions for each stage of the product life cycle;
- c) An assessment of the impact on the environment;
- d) The identification of actions for improvement.

**1.4** LCA studies can be used to identify priorities for improvements in process operation, product design and development.

**1.5** LCA studies, together with product carbon foot printing analysis (PCF), can be used to help develop Environmental Performance Declarations (EPD).

## **2.0 PURPOSE AND SCOPE:**

**2.1** The purpose of this policy is to outline the measures Lignacite Ltd is committed to undertaken in order to improve the environmental performance of its products.

**2.2** This document is applicable to both the Brandon and Nazeing sites.

## **3.0 POLICY:**

**3.1** Lignacite Ltd, through its membership of the Concrete Block Association (affiliated to the British Precast Concrete Federation), is committed to the concept of sustainable development.

**3.2** The company will consider the requirement of LCA studies as part of its broader range of sustainability and environmental obligations.

**3.3** Where LCA studies are undertaken, these will be full, detailed studies, specific to our products. The company will not commit to undertaking partial or simplistic studies, which could undermine the significance of LCA studies.

**3.4** In addition to considering the need for LCA studies, the business will also consider the need for Product Carbon Footprint (PCF) analysis to be undertaken on its products.

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The PCF studies will determine the carbon footprint of each block, taking into account not only all aspects of its manufacturer but also embodied carbon from cement content.

**3.5** We seek to place LCA within its broader context of sustainable development, recognising that this requires that due weight must also be given to the impact on human health and safety, welfare, bio-diversity, the impact on individual eco-systems, the length of a product's life and its recyclability, and the sustainable use of natural resources.

**3.6** The company is fully committed to the development of EPD's for each of our block ranges. All EPD's will be developed in accordance with EN 15804+A2, ISO 14025 and ISO 21930. All EPD's will be developed in accordance with cradle to the grave principles in mind and will include the following modules:

- A1-A5
- B1
- C1-C4
- D

The company is committed to ensuring that all EPD's are as accurate as they can reasonably be. The company is also committed to the avoidance of "green washing" at all times. All EPD's will be verified by an independent, accredited body.

**3.7** The company supports and contributes to the collection and dissemination of sector wide data on the use and reuse of materials, and the environmental effects resulting from their production.

**3.8** Lignacite is committed to publishing its environmental data clearly in a form that allows the user to clearly identify the context in which the data is intended.

We will avoid the selective disclosure of results or the use of data out of its original context.

We will also avoid the mixing of product comparisons based on actual current practice with those based on optimal performance at some future date.

The company avoid claims of superior impact on the environment where the differences between materials are likely to be within the margin of error of the key assumptions.

Lignacite publishes an annual sustainability report on its website, which includes data which has been independently verified by an external agency.

**3.9** We seek to continually improve the life cycle performance environmental performance, primarily through policies, objectives and targets managed through BES 6001, the standard for responsible sourcing responsible sourcing, in so far as they affect the environmental impacts that would be considered by a LCA.

**3.10** This Policy is implemented through policies, procedures, targets and objectives as appropriate, all of which are described or referenced on the Company's BES 6001 documentation.

**3.11** This Policy will be monitored by the Company's senior management.

Signed:.....  
GAJ de Lotbiniere, Chairman

Date:.....28/4/25

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