

2009 GHG Verification Statement

Name of Company:	Carlow Precast
Address:	Kilnock, Ballon, Co. Carlow, Ireland.
Verification Criteria:	ISO14064-1:2006 "Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals" ISO14064-3:2006 "Specification with guidance for the validation and verification of greenhouse gas assertions"
Footprint Period:	January to December 2009

Objectives

Carlow Precast manufactures concrete products at a single site in County Carlow. CICS has been contracted by Carlow Precast to carry out verification of their GHG Assertion for 2009 covering calendar year 2009 for significant Scope 1, 2 & 3 emissions. Data provided for the verification was for the period covering the whole months of January to December 2009.

Scope of the Verification

The scope of the verification covers the period **01 January 2009 to 31 December 2009** for significant Scope 1, 2 & 3 emissions of the site activities in County Carlow. There were some exclusions namely GHG emissions from: 3rd party logistics; Sales transport in the UK; Waste Handling of waste generated during production; the use and end-of-life phases of the organization's products and services; production of purchased accessories. These GHG sources are considered to be sufficiently minor to exclude from the organisation's boundaries. The verification was conducted to a reasonable level of assurance and concludes that the GHG Assertion is materially correct.

The verification incorporated a visit to the Carlow Precast site to view and understand the process. Data and calculations selected for verification was based upon a risk assessment approach. The verification also included boundaries' completeness checks. Data in spreadsheets were also examined and specific sampling of data was conducted giving consideration to raw data sources. Emission factors were based on best available information & uncertainty calculations have been carried out using the WRI (World Resources Institute) uncertainty template. The data was historical in nature.

This verification has been conducted under UKAS accreditation to:
"Voluntary GHG programmes (ISO 14064 Part 1:2006)"

Verifiers Opinion

Based on the evidence provided and the samples selected for verification, it is the opinion of CICS that the Carlow Precast GHG Assertion is materially correct and is a fair representation of the GHG data. Information was compiled, and for 2009 reported, in conformance with the verification criteria described above.

Final verified emissions were:

- Total Emissions **4,011** tCO₂
- Specific Emissions **0.18** tCO₂/tonne product



Andrew Shepherd - Lead Verifier
14th October 2010



David Robinson - Technical Reviewer
23rd November 2010