



# The Company Charter of the Cement Sustainability Initiative

The Cement Sustainability Initiative (CSI) is a voluntary CEO-led business initiative, which operates under the World Business Council for Sustainable Development (WBCSD).

Each CSI member company must demonstrate leadership, commitment and achievement toward sustainable development and report publicly on its sustainable development performance, in accordance with established international reporting practices (incl. independent third party assurance). It promotes CSI goals and activities inside the company and with its stakeholders.

Member companies of the WBCSD Cement Sustainability Initiative pledge to apply a set of actions outlined below as part of their contribution to sustainable development.

*It is our intention to complete these actions within 3 years of joining the Initiative and to continue applying, and reporting on, these commitments.*

*A CSI-coordinated audit will take place every 4 years.*

*For the mentioned guidelines, reference is made to the latest available versions.*

*The commitments may be revised / updated as agreed by the Core Member of the CSI.*

## **Status of commitments: December 2014**

### **CO<sub>2</sub> and Climate Protection**

- Use the tools set out in the CSI CO<sub>2</sub> and Energy protocol to define and make public our baseline emissions
- Develop a climate change mitigation strategy, and publish targets and progress
- Report annually on CO<sub>2</sub> emissions in line with the protocol
- Participate in and contribute agreed datasets to the Getting the Numbers Right global cement database system of CO<sub>2</sub> and energy information

### **Responsible Use of Fuels and Raw Materials**

- Apply the Guidelines for Co-Processing Fuels and Raw Materials in Cement Manufacturing

### **Employee Health and Safety**

- Apply the Health and Safety in the Cement Industry: Guidelines for Measuring and Reporting
- Report to the CSI annually on employee safety data in line with the guidelines developed for measuring and reporting (fatality data to be reported to the CSI as of the year of joining)

### **Emissions Reductions**

- Apply the Guidelines for Emissions Monitoring and Reporting in the Cement Industry
- Make emissions data publicly available and accessible to stakeholders
- Set emissions targets for main pollutants (NO<sub>x</sub>, SO<sub>x</sub>, dust) and report publicly on progress

### **Local Impacts on Land and Communities**

- Apply the Environmental and Social Impact Assessment Guidelines and develop tools to integrate them into decision making processes
- Apply the Guidelines on Quarry Rehabilitation

### **Water**

- Apply the Protocol for Water Reporting for the Cement Industry

### **Reporting and Communications**

- Report publicly on all agreed CSI Key Performance Indicators (KPIs) on an annual basis
- Publish a statement of business ethics
- Establish a systematic dialogue process with stakeholders to understand and address their expectations
- Report progress on developing stakeholder engagement programs
- Develop documented and auditable environmental management systems at all plants

## **Assurance**

### CO<sub>2</sub> emissions data

- Companies will carry out assurance at least once every two years using recognized, independent third party assurance practitioners
- Assurance practitioners will decide on the number of sites to be visited
- Assurance statements will explicitly mention the number of sites visited and the corresponding % CO<sub>2</sub> emissions covered

### Safety data

- Companies will carry out assurance at least once every three years using recognized, independent third party assurance practitioners

### NO<sub>x</sub>, SO<sub>x</sub>, and dust emissions data

- Companies will carry out assurance at least once every three years using recognized, independent third party assurance practitioners

### Water data

- Companies will carry out assurance at least once every two years using recognized, independent third party assurance practitioners
- Scope of assured data should cover CSI indicator for water: Total water withdrawal by source G4 EN8 for cement plant

## **Annex: Key performance indicators**

Status: December 2014

### CO<sub>2</sub> and Climate Protection

- Total CO<sub>2</sub> emissions - gross (million tonnes)
- Total CO<sub>2</sub> emissions - net (million tonnes)
- Specific CO<sub>2</sub> emissions - gross (kg / ton cementitious material)
- Specific CO<sub>2</sub> emissions - net (kg / ton cementitious material)

### Fuels and Raw Materials

- Specific heat consumption of clinker production (MJ / ton clinker)
- Alternative fuel rate (%)
- Biomass fuel rate (%)
- Alternative raw materials rate (%)
- Clinker / cement ratio (%)

### Employee Health and Safety

- No. of fatalities (directly employed)
- No. of fatalities per 10,000 directly employed
- No. of fatalities (indirectly employed)
- No. of fatalities (3rd party)
- No. of Lost Time Injuries (directly employed)
- Total No. of Lost Time Injuries
- Lost Time Injuries per 1m manhours (directly employed)

### Emissions Reduction

- Overall coverage rate: percentage (%) clinker produced with monitoring of all pollutants mentioned in the emissions guidelines
- Coverage rate continuous measurement: percentage (%) Clinker produced with continuous monitoring of main pollutants, dust, NO<sub>x</sub>, SO<sub>x</sub>
- Absolute and specific emissions for all pollutants mentioned in the emissions guidelines

### Local impacts and Biodiversity

- Percentage (%) of sites with quarry rehabilitation plans in place
- Percentage (%) of sites with community engagement plans in place
- Number of quarries within, containing, or adjacent to areas designated for their high biodiversity value, as defined by GRI EN11 (number and coverage)
- Percentage (%) of quarries with high biodiversity value where biodiversity management plans are actively implemented

### Water

- Total water withdrawal by source
- Total water discharge by quality and destination
- Total water consumption
- Percentage of sites with water recycling