



Independent Limited Assurance Report on the CO₂ emissions, safety, environmental incidents and other emissions Key Performance Indicators reported by CEMEX for the year 2011

To the Board of Directors of CEMEX

At the request of CEMEX, we have carried out an independent limited review of CO₂ emissions, safety, environmental incidents and other emissions Key Performance Indicators (“The KPIs”) reported by CEMEX for the year 2011. This assurance process covers The KPIs disclosed in the 2011 Sustainable Development Report identified with the symbol :

- CO₂ emissions, as calculated according to the WBCSD-CSI “Cement CO₂ Protocol” (June 2005 version 2.0):
 - Absolute gross and net CO₂ emissions
 - Specific gross and net CO₂ emissions
 - Alternative fuels rates (alternative fossil and biomass fuels)
- Safety indicators, as calculated according to the WBCSD-CSI Guidelines “Safety in the cement industry: Guidelines for measuring and reporting” (updated October 2008 version 3.0):
 - Fatality rate for directly employed
 - Lost Time Injury Frequency rate (LTI FR) for directly employed
 - Lost Time Injury Severity rate (LTI SR) for directly employed
- Number of Category 1 Environmental Incidents, as defined by CEMEX Corporate in the Administrative and Operative Procedure “Environmental Incident Reporting”.
- Other emissions (dust, NO_x and SO_x) indicators, as calculated according to the WBCSD-CSI “Guidelines for Emissions Monitoring and Reporting in the Cement Industry” (version 1, March 2005):
 - Overall coverage rate
 - Coverage rate continuous measurement
 - Absolute and specific emissions data of dust
 - Absolute and specific emissions data of NO_x
 - Absolute and specific emissions data of SO_x

The KPIs have been prepared by, and are the responsibility of, CEMEX Management. Our responsibility consists of issuing conclusions about their consistency and reliability based on our review work described in the next paragraph.

Bases, objective and scope of the verification

Our work was performed based on verification standards established by the International Federation of Accountants, under the International Standard for Assurance Engagement ISAE 3000 pertaining to limited assurance. We planned and performed the procedures set out below to obtain limited assurance as to whether The KPIs are free of material misstatements. A higher level of assurance would have required more extensive procedures.

- We assessed CEMEX reporting procedures for The KPIs with regard to their consistency with the “Cement CO₂ Protocol”, the “Safety in the cement industry: Guidelines for measuring and reporting”, the internal Administrative and Operative Procedure “Environmental Incident Reporting” and the “Guidelines for Emissions Monitoring and Reporting in the Cement Industry”, respectively;
- At corporate level, we conducted interviews with the individuals responsible for the preparation and application of the reporting procedures as well as for the consolidation of data. At this level, we performed analytical procedures and verified, on a test basis, the calculations and data consolidation;
- At regional coordination level, we conducted interviews with the individuals responsible for The KPIs reporting and performed analytical tests;



- We selected a sample of operations for site visits, and for each one of them:
 - we reviewed site organization and procedures, especially those regarding KPIs reporting;
 - we assessed the control procedures on key parameters, and
 - on a test basis, we performed reconciliation of reported data with the supporting documentation and verified the arithmetical accuracy of calculations.
- We analyzed the consolidated KPIs reported by CEMEX in the 2011 Sustainable Development Report to verify the coherence with the results of our work.

Recommendations:

We included and detailed the following recommendations in the report submitted to CEMEX management, with the intent to strengthen processes and systems for management information:

- Ensure the date on returning to work employees who suffer a lost time injury is timely registered in the safety indicator consolidation database.
- Strengthen training on roles and responsibilities of those responsible for the lost time injury reports.
- It is necessary to strengthen internal controls over the non kiln fuel consumption to keep accurate records, because, currently there are different systems of control of these inputs.

Conclusions:

Based on the results of our review, and taking into account our recommendations above, nothing has come to our attention that causes us to believe that:

- The KPIs have not, in all material respects, been prepared in accordance with the “*Cement CO₂ Protocol*”, the “*Safety in the cement industry: Guidelines for measuring and reporting*”, the revised CEMEX “*Environmental Incident Reporting*” procedure and the “*Guidelines for Emissions Monitoring and Reporting in the Cement Industry*”.
- The KPIs contain material misstatements.

Mexico, April 10th, 2012

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