

CSI & ADDITIONAL KEY PERFORMANCE INDICATORS 2015

JUNE 2016



LafargeHolcim

CSI & Additional KPIs 2015

Indicator	2015 performance
Climate protection	
Total CO2 emissions - gross (million tonnes)	159
Total CO2 emissions - net (million tonnes)	154
Specific CO2 emissions - gross (kg / tonne cementitious material)	593
Specific CO2 emissions - net (kg / tonne cementitious material)	573
Responsible use of fuels and raw materials	
Specific heat consumption of clinker production (MJ / tonne clinker)	3'533
Alternative fuel rate (%)	15
Biomass fuel rate (%)	5
Alternative raw materials rate (%)	11
Clinker / cement ratio (%)	71
Electricity	
Electricity purchased & consumed (megawatt hours (MWh))	20'022'303
Employee Health and Safety	
Number of fatalities (directly employed)	5
Number of fatalities per 10,000 directly employed ^[Note 1]	0.59
Number of fatalities (indirectly employed)	28
Number of fatalities (third party)	17
Number of lost time injuries (directly employed)	239
Total Number of lost time injuries ^[Note 2]	500
Lost time injuries per 1 million manhours (directly employed)	1.01
Emissions reductions	
Overall coverage rate: percentage (%) of clinker produced with monitoring of all pollutants mentioned in the emissions guidelines	85
Coverage rate continuous measurement: percentage (%) of clinker produced with continuous monitoring of main pollutants: dust, NOx, Sox	91
Dust - absolute emissions (tonnes / year)	12'698
Dust - specific emissions (grams / tonne clinker)	67
Dust - coverage rate (%)	96

¹ Calculated for clinker and cement production

² Includes employees and contractor onsite

Indicator	2015 performance
NOx - absolute emissions (tonnes / year)	278'061
NOx - specific emissions (grams / tonne clinker)	1'479
NOx - coverage rate (%)	93
SO2 - absolute emissions (tonnes / year)	47'799
SO2 - specific emissions (grams / tonne clinker)	178
SO2 - coverage rate (%)	96
VOC/THC - absolute emissions (tonnes / year)	7'954
VOC/THC - specific emissions (grams / tonne clinker)	42
VOC/THC - coverage rate (%)	7
PCDD/F - absolute emissions (g / year)	6.4
PCDD/F - specific emissions (ng / tonne clinker)	34.1
PCDD/F - coverage rate (%)	76
Hg - absolute emissions (t / year)	2.41
Hg - specific emissions (mg / tonne clinker)	10
Hg - coverage rate (%)	75
HM1 - absolute emissions (t / year) ^[Note 3]	4
HM1 - specific emissions (mg / tonne clinker)	23
HM1 - coverage rate (%)	70
HM2 - absolute emissions (t / year) ^[Note 4]	113
HM2 - specific emissions (mg / tonne clinker)	599
HM2 - coverage rate (%)	63
Local impacts on land and communities	
Percentage (%) of sites with quarry rehabilitation plans in place	88
Percentage (%) of sites with community engagement plans in place	92
Biodiversity KPIs	
Number of quarries within, containing, or adjacent to areas designated for their high biodiversity value, as defined by GRI EN11 (number and coverage)	215
Percentage (%) of quarries with high biodiversity value where biodiversity management plans are actively implemented	80
Customer	
Net Promoter Score (NPS)	60.7

³ HM1: Sum Cd and Tl

⁴ HM2: Sum of Sb, As, Pb, Cr, Co, Cu, Mn, Ni, V

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