Annex 2A. Cement Production (IPCC 2A1)
to the Technical Support Document for the 2000-2011 California's Greenhouse Gas Emissions Inventory

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Variables Used in the Emissions Estimation Equations

Values last updated on Thursday, August 01, 2013

IPCC category = 2A1 — Mineral Industry - Cement Production

► ***Sector = Manufacturing : Stone, Clay, Glass & Cement : Cement >***

Activity = Clinker production

- Variable Name -	- Year -	- Value and Units -	- Reference -
Clinker production	2000	10.46 Tg (million tonnes)	O'Hare, 2007
Clinker production	2001	10.65 Tg (million tonnes)	Interpolated
Clinker production	2002	10.84 Tg (million tonnes)	Interpolated
Clinker production	2003	11.03 Tg (million tonnes)	Interpolated
Clinker production	2004	11.23 Tg (million tonnes)	Interpolated
Clinker production	2005	11.42 Tg (million tonnes)	O'Hare, 2007
Clinker production	2006	11.31 Tg (million tonnes)	ARB, 2008
Clinker production	2007	10.42 Tg (million tonnes)	Interpolated
Clinker production	2008	9.42 Tg (million tonnes)	ARB, 2012b
Clinker production	2009	6.53 Tg (million tonnes)	ARB, 2012b
Clinker production	2010	6.65 Tg (million tonnes)	ARB, 2012b
Clinker production	2011	7.84 Tg (million tonnes)	ARB, 2012b
Bypass dust leaving the kiln	2000	90 Mg (tonnes)	O'Hare, 2007
Bypass dust leaving the kiln	2001	72 Mg (tonnes)	Interpolated
Bypass dust leaving the kiln	2002	54 Mg (tonnes)	Interpolated
Bypass dust leaving the kiln	2003	36 Mg (tonnes)	Interpolated
Bypass dust leaving the kiln	2004	18 Mg (tonnes)	Interpolated
Bypass dust leaving the kiln	2005	0 g	O'Hare, 2007
Bypass dust leaving the kiln	2006	0 g	ARB, 2008
Cement Kiln Dust Adjustment Factor	2010	1.02	IPCC, 2006c
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Cement kiln dust leaving the kiln system	2000	535.89 Gg (thousand tonnes)	O'Hare, 2007
Cement kiln dust leaving the kiln system	2001	460.04 Gg (thousand tonnes)	Interpolated
Cement kiln dust leaving the kiln system	2002	384.18 Gg (thousand tonnes)	Interpolated
Cement kiln dust leaving the kiln system	2003	308.33 Gg (thousand tonnes)	Interpolated
Cement kiln dust leaving the kiln system	2004	232.47 Gg (thousand tonnes)	Interpolated
Cement kiln dust leaving the kiln system	2005	156.62 Gg (thousand tonnes)	O'Hare, 2007
Cement kiln dust leaving the kiln system	2006	152.36 Gg (thousand tonnes)	ARB, 2008
Clinker CO2 emission factor	2000	0.51 g / g	IPCC, 2006c
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Clinker CO2 emission factor	2006	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2010	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2011	0.51 g / g	IPCC, 2006c
Kiln dust CO2 emission factor	2000	0.187 g / g	IPCC, 2006c
Kiln dust CO2 emission factor	2001	0.187 g / g	IPCC, 2006c
Kiln dust CO2 emission factor	2002	0.187 g / g	IPCC, 2006c
Kiln dust CO2 emission factor	2003	0.187 g / g	IPCC, 2006c
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Kiln dust CO2 emission factor	2005	0.187 g / g	IPCC, 2006c
Kiln dust CO2 emission factor	2006	0.187 g / g	IPCC, 2006c