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Allocation in phase 3 of EU ETS

A SUSTAINABLE ENERGY SUPPLY FOR EVERYON

Case study: integrated steel mill

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General information

- Is the installation eligible for free allocation? Yes
- Is the installation an electricity generator pursuant Art. 3(u)? No
- What is the chosen baseline period? 2005-2008
- Did the installation operate at least one day in each calendar year in the baseline period? Yes
- Greenhouse Gas Emissions and Energy input from fuels
 Data collection template: tab D_Emissions

Installation level data:	Unit	2005	2006	2007	20
Total CO2 emissions	t CO2 / year	12,000,000	14,000,000	12,000,000	8,000,0
Memo-Item: Biomass emissions	t CO2 / year	0	0	0	
Total N2O emissions	t CO2e/year	0	0	0	
Total PFC emissions	t CO2e/year	0	0	0	
Total direct emission of the Installation	t CO2e/year	12,000,000	14,000,000	12,000,000	8,000,0
Total energy input from fuels	TJ / vear	85.000.00	100.000.00	85.000.00	60.000.



































Attribute all (other) emissions, fuel, and measurable heat to sub-installations

For allocation,

• Exact data for measurable heat consumption/export is only necessary for heat benchmark sub-installation

The data collection template contains a 'simple' and a 'complex' tool to determine the balance of measurable heat flows: the table below only shows the outcome of the 'complex' tool:





















Sinter sub-installation:	0.171 [EUA/t product] × 10.7 [Mt product]
Coke sub-installation	0.286 [EUA/t product] × 3.8 [Mt product]
Hot Metal sub-installation	1.328 [EUA/t product] × 9.4 [Mt product]
Heat benchmark sub-installation:	62.3 [EUA/TJ heat] x 5950 [TJ heat]
Fuel benchmark sub-installation:	56.1 [EUA/TJ fuel] x 5950 [TJ fuel]
Preliminary total allocation:	16.1 million allowances
(not considering CL-status)	
BM: Benchmark HAL: Historical activity level EUA: Allowances	
The allocation without considerin	g CL-status is the same for each year
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