

6.3.5.2 Standard Clinker Capacity Volume [t clin/year] (by BDP)

Description

'Standard clinker capacity volume' corresponds to the quantity of clinker that can be produced with a standard target [OEE](#) of 85% in function of [BDP kiln](#). The quantity calculated contains all clinker types.

'Idle clinker capacity volume (including mothballed)' of a plant corresponds to the quantity of clinker that could theoretically be produced with a standard target [OEE](#) of 85% in function of the last achieved [BDP kiln](#) prior the stop, this is if the kiln(s) would not be stopped.

Reference to Process

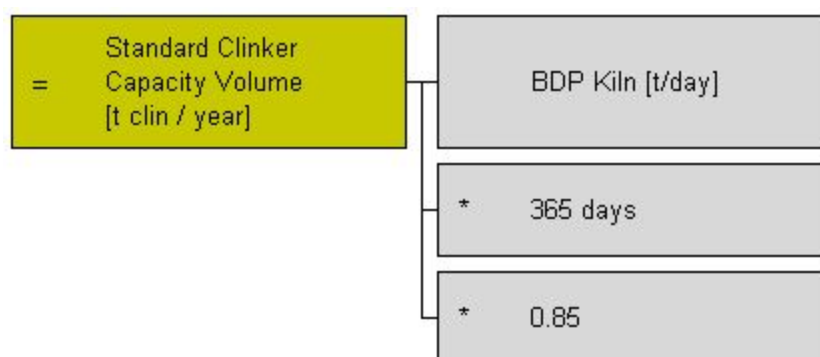
This indicator refers to:

- Main cost center 'Clinker production'
- Product sub-segment Clinker and Cement

Purpose

To describe the quantity of clinker that can be produced by a kiln under optimal conditions.

Calculation



Standard clinker capacity volume [t clin/year] = BDP [t/day] x 365 days x 85%

This is an annualized spot value calculated based on the applicable BDP on the date of reporting (see example below)

If several kilns are installed in a plant the individual standard clinker capacities have to be summed up.

For additional information on how to calculate the capacity (several types of clinker, upgrade of a kiln, additional kiln) see [Kiln BDP](#).

Comments and Examples

TIS data normalization code: ICS Code 400+TPYSTD+CLINKER and ICS Code 400+TIDLE.Y+CLINKE

Standard capacity:

Each plant defines the standard clinker capacity volume, during the planning process in the Mid Term Plan (MTP). In the MTP the capacity will correspond to the expected capacity at year-end (on December 31 of the planned calendar year).

For the MTP, all kiln upgrades, kiln shut downs or newly commissioned kilns must be considered. The planned value for the capacity equals the expected annualized capacity on December 31 of the planned calendar year.

During the reporting year an actual value shall be considered.

Idle capacity:

If an asset (equipment) is maintained for a limited period of time (up to 10 years) it is included in the (total) Standard clinker capacity volume and also in 'Idle clinker capacity volume (including mothballed)'.

'Idle clinker capacity volume' of a plant is the sum of the idle clinker production lines.

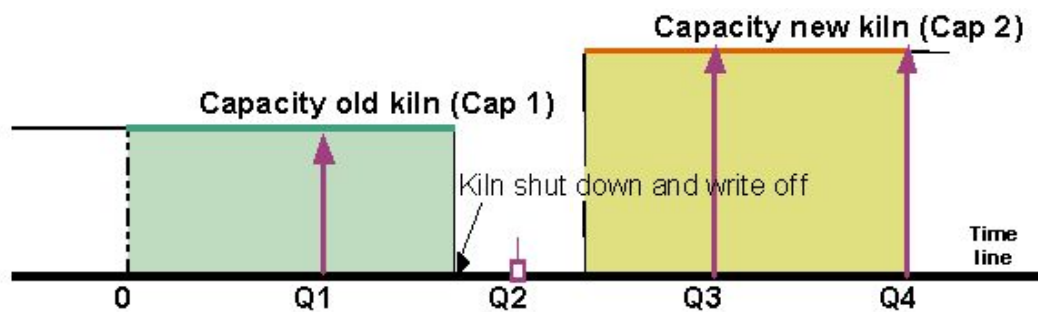
For accounting details and conditions on reporting assets as 'idle' refer to [PPE - Section 'Idle assets'](#).

Examples for standard capacity:

Example 1 (New kiln started up after shutdown of old kiln)

For simplicity the examples below refer to quarters instead of months.

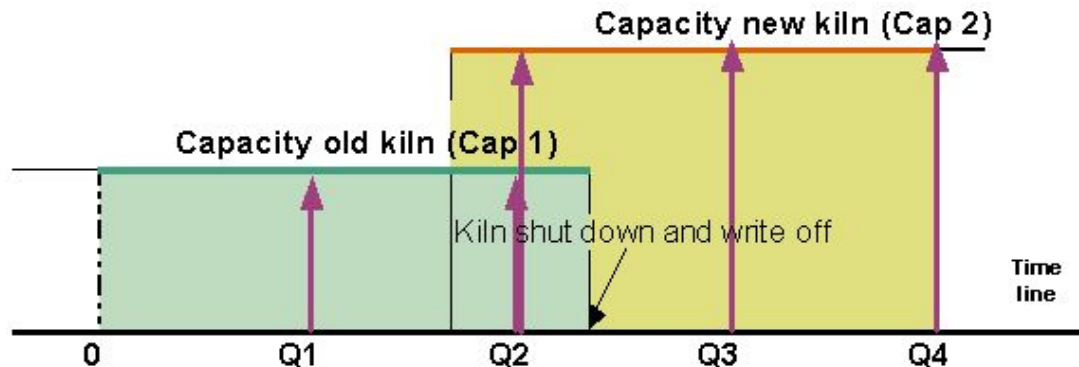
A kiln was shut down and written off and replaced by a new kiln afterwards:



Quarterly Report (as is)	Q1 = Cap 1	Q2 = 0	Q3 = Cap 2	Q4 = Cap 2
Yearly Budget (BY)				BY = Cap 2 Dec. 31.
Time	March	June	Sept.	Dec.

Example 2 (New kiln started up before shut down of old kiln)

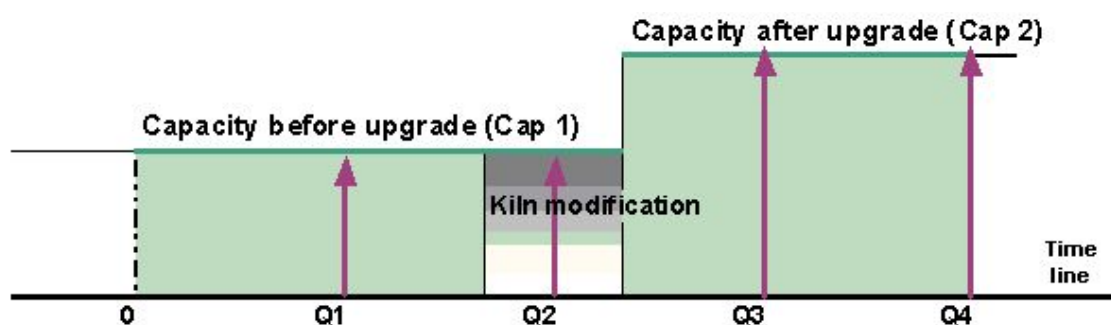
A kiln was shut down and written off and replaced by a new kiln which is commissioned before the old kiln is stopped:



Quarterly Report (as is)	Q1 = Cap 1	Q2 = Cap 1 + Cap 2	Q3 = Cap 2	Q4 = Cap 2
Yearly Budget				BY = Cap 2 Dec. 31.
Time	March	June	Sept.	Dec.

Example 3 (Kiln upgrade)

A kiln was upgraded. The [BDP](#) of this kiln was increased following a kiln modification during the reporting year. In this case the quarterly reported capacity will change during the year. The year end capacity equals the expected capacity after the upgrade.



Quarterly Report	Q1 = Cap 1	Q2 = Cap 1	Q3 = Cap 2	Q4 = Cap 2
Yearly Budget				Cap 2 Dec. 31.
Time	March	June	Sept	Dec.

How to calculate and report Standard clinker capacity volume for a kiln upgraded starting to produce in August:

Year	2007	2008											
Month	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
'As is' BDP	2200	2200	2200	2200	2200	2200	Kiln modification		---	---	---	---	---
'Modified' BDP	---	---	---	---	---	---	---	---	3000	3000	3000	3000	3000
Reported Standard Clinker Capacity (*)	682'550	682'550							930'750				

Mid Term Plan (MTP) Standard clinker capacity volume Year 1 2008 is 930'750 t clin / year

Actual Standard clinker capacity volume JAN-JUL 2008 = $2'200 \times 0.85 \times 365 = 682'550$ t clin /year

Actual Standard clinker capacity volume AUG-DEC 2008= $3'000 \times 0.85 \times 365 = 930'750$ t clin /year

Note: If the 'Kiln modification' project is cancelled or delayed, the 'old' actual capacity (682'550 t clin/ year) is ongoingly reported in Actuals. This will yield a difference to MTP Year 1.

If the reporting event falls into the time period of the kiln modification (Q2 in example 3) the previously reported value should be shown.

Changes in the capacities should reflect the 'as is' status at the date the report refers to. This reflects the changes (i.e. acquisitions, investments and divestments, upgrade of equipment).

The indicators are referred to on an annualized basis.

Reporting Requirements

The indicators are reported in SAP FC.