

Application form for amending amounts allocated free of charge

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Information about this file:

Installation name:	Company A
Unique Installation Identifier:	IE-existing-IE1000-GHG1000

If your competent authority requires you to hand in a signed paper copy of the report, please use the space below for signature:

Date

Name and Signature of
legally responsible person

GUIDELINES AND CONDITIONS


General Information on this Template

- Directive 2003/87/EC, as amended most recently by Directive 2009/29/EC (hereinafter "the EU ETS Directive") requires Member States to allocate allowances for free to installations based on Community-wide and fully-harmonised rules (Article 10a(1)). The Directive can be downloaded from: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:2003L0087:20090625:EN:PDF>
 - These Community-wide Implementing Measures (hereinafter "the CIMs") have been published as Commission Decision 2011/278/EU and can be downloaded <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:2011D0278:20111117:EN:PDF>
 - The CIMs include rules allocating allowances for free to new entrants, and for amending the amounts allocated for free in case of significant capacity reductions, cessations and partial cessations of installations.
The acronym "NER" used in this template refers to the New Entrants Reserve established pursuant to Article 10a(7) of the EU ETS Directive.
Member States have to submit the relevant information from operators of installations needed for calculating the preliminary free allocations to the Commission. Article 24(2) of the CIMs requires Member States to use an electronic template provided by the Commission for this purpose. This template has been developed such that the competent authority can also use it for collecting the relevant data from operators.
 - This template has been developed on behalf of the Commission by its consultant (Umweltbundesamt GmbH, Austria).
The views expressed in this file represent the views of the authors and not necessarily those of the European Commission.
- This is the final version of this template, as endorsed by the Climate Change Committee in its meeting on 7 June 2012.**

How to use this file

- Automatic calculation (to be found in the menu Tools/Options) must be turned on.
It is recommended that you go through the file from start to end. There are a few functions which will guide you through the form which depend on previous input, such as cells changing colour if an input is not needed (see colour codes below). However, sometimes it is relevant to first continue data input in another sheet before going on (e.g. "H_specialBM" needs input before "F_ProductBM" can be finalised in cases where Annex III of the CIMs must be applied).

It is especially important to fill in sheet "A_InstallationData", III to V. Without correct information there, calculation results may be wrong, or data for sub-installations may not be possible to be entered correctly.
Whenever a value of zero is to be reported, it should be entered rather than keeping the cell empty. If a cell is kept empty, the CA does not know if the value has not been reported, is irrelevant or unknown. Values needed for calculations should always be entered (especially if zero, because some formulas don't give results as long as required cells are empty).
In several fields you can choose from predefined inputs. For selecting from such a "drop-down list" either click with the mouse on the small arrow appearing at the right border of the cell, or press "Alt-CursorDown" when you have selected the cell. Some fields allow you to input your own text even if such a drop-down list exists. This is the case when drop-down lists contain empty list entries.
- Error messages will occur sometimes when data entries are incomplete. However, the non-appearance of error messages is not a guarantee for correct calculations, as not always a data completeness test is possible. If no result appears in a green field, it can be assumed that some data is still missing. Special care must be taken of consistency of data with the units displayed.
Error messages are often very short due to the little space available. The most important ones are:

incomplete!	Means that data is not sufficient for calculation (e.g. an emission factor is missing in one year)
inconsistent!	The units selected are inconsistent, and calculations based upon related inputs will give wrong results.
Input in A.III.3 ! E.II.1.n !	These are references to document sections. This means that data in the referenced sections are missing.
- Colour codes and fonts:
Black bold text: This is text describing the input required.
Smaller italic text: This text gives further explanations.

 - Yellow fields indicate mandatory inputs. However, if the topic is not relevant for the installation, no input is required.
 - Light yellow fields indicate that an input is optional.
 - Green fields show automatically calculated results. Red text indicates error messages (missing data etc).
 - Shaded fields indicate that an input in another field makes the input here irrelevant.
 - Grey shaded areas should be filled by Member States before publishing a customized version of the template.
 - Light grey areas are dedicated for navigation and hyperlinks.
- Navigation panels on top of each sheet provide hyperlinks for quick jumps to individual input sections. The first line ("Table of contents", "Previous sheet", "next sheet", "Summary") and the points "Top of sheet" and "End of sheet" are the same for all sheets. Depending on the sheet, further menu items are added. If the background colour of one of the hyperlink areas turns red, this indicates that data is missing in the related section (not in all sheets).
- This template has been locked against data entry except for yellow fields. However, for transparency reasons, no password has been set. This allows for complete viewing of all formulae. When using this file for data entry, it is recommended to keep the protection in force. The sheets should only be unprotected for checking the validity of formulae. It is recommended to do this in a separate file.
- In order to protect formulae against unintended modifications, which usually lead to wrong and misleading results, it is of utmost importance NOT TO USE the CUT & PASTE.**
If you want to move data, first COPY and PASTE them, and thereafter delete the unwanted data in the old (wrong) place.
- Data fields have not been optimized for numerical and other formats. However, sheet protection has been limited so as to allow you to use your own formats. In particular, you may decide about the number of decimal places displayed. The number of places is in principle independent from the precision of calculation. In principle the option "Precision as displayed" of MS Excel should be deactivated. For more details, consult MS Excel's "Help" function on this topic.

DISCLAIMER: All formulae have been developed carefully and thoroughly. However, mistakes cannot be fully excluded. As described above, full transparency for checking the validity of calculations is ensured. Neither the authors of this file nor the European Commission can be held liable for eventual damages resulting from wrong or misleading results of the provided calculations. It is the full responsibility of the user of this file (i.e. the operator of an ETS installation) to ensure that correct data is reported to the competent authority.

Member State specific information:

This Report must be submitted to your Competent Authority to the following address:

E mail-ghgpermit@epa.ie Post: Climate Change & Environmental Research Unit, Environmental Protection Agency Regional Inspectorate, McCumiskey House, Richview, Clonskeagh Road, Dublin 14	By
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**Information sources:****EU Websites:**

EU-Legislation:

<http://eur-lex.europa.eu/en/index.htm>

EU ETS general:

http://ec.europa.eu/clima/policies/ets/index_en.htm

Guidance documents and templates published by the Commission regarding allocation rules:

http://ec.europa.eu/clima/policies/ets/benchmarking/documentation_en.htm**Other Websites:**www.epa.ie

Helpdesk:

Email: ghgpermit@epa.ie**Further guidance as provided by the Member State:**

For New Entrants (greenfield plants, significant capacity increases) or significant capacity decreases once complete and verified and the declaration in sheet "a Contents" signed and stamped, this application form shall be submitted with relevant attachments and verification opinion statement to the EPA.

In accordance with Article 24 of EU Commission Decision of 27.4.2011 (CIMs) any planned or effective changes to the capacity, activity level and operation of an installation shall be submitted to the competent authority by 31 December each year. In addition, in accordance with Article 17(2) of the CIMs, Member States shall only accept New Entrant applications for free allocation that are submitted to the Competent Authority within one year following the start of normal operation of the installation or sub-installation concerned.

For applications for **cessation** in accordance with Article 22 of the CIMs or **partial cessation** in accordance with Article 23 of the CIMs once complete and the declaration in sheet "a Contents" signed and stamped the application form shall be submitted with relevant attachments to the EPA by 31 December of the year of the planned or effective changes to activity level and operation in accordance with Article 24 of the CIMs.

All reports shall be emailed and three signed copies (including the original) posted to the address as detailed above. Where the EPA provides an on-line reporting system in future, the submission of reports will be through the on-line system. Further guidance will be provided by the EPA, at the time.

Please note that any changes to the installation which require a Permit update shall be notified in advance in accordance with Permit conditions.

The reports submitted will be placed on public file, unless specifically requested otherwise on the grounds of confidentiality. Any request for confidentiality must be justified in writing and will be subject to acceptance by the Board of the EPA. For details on how to submit confidential information please see Submission of Confidential Information at the link below.

[Confidential Information](#)

A. Sheet "InstallationData" - GENERAL INFORMATION ON THIS APPLICATION

I Identification of the Installation

1 General information:

(a) **Name of the installation:**
This name should be the same as has been already been used for correspondence with the competent authority.

(b) **Member State in which the installation is situated:**
"Member State" means here: State which participates in the EU ETS, i.e. EU-27, Croatia, and Iceland, Norway and Liechtenstein.

(c) **Has this installation been included in the EU ETS before?**

(d) **Unique Identifier provided by the competent authority:**
*This is usually the ID code used for NAP II (if applicable) or the NIMs, or any other ID used by the competent authority for correspondence.
 For new installations ("greenfield plants"), operators are requested to contact the competent authority to receive such ID.
 Competent authorities must ensure to have a unique ID available before notifying any data to the European Commission.*

(e) **Identification code of the installation in the registry:**
*This is usually a natural number, i.e. a code different from the permit identifier used in the registry.
 For new installations ("greenfield plants"), such ID might not yet be available. For them this input field is optional. Operators are requested to contact the competent authority to receive such ID.*

(f) **Suggested unique ID for notification to the Commission:**

(g) **Information on the Greenhouse gas emissions permit:**
*Please provide here information on the greenhouse gas emissions permit (=permit issued in accordance with Articles 5 and 6 of the EU ETS Directive).
 Member States may make this information optional if the competent authority is in possession of this information already.*

Name of Competent authority:

First GHG permit received when the installation was included in the ETS for the first time:

i. Permit-ID:

ii. Date of issuance:

Most recent update of the permit, if applicable:

iii. Permit-ID:

iv. Date of issuance:

(h) **Operator data:**
The operator is the [natural or legal] person who operates or controls an installation or, where this is provided for in national legislation, to whom decisive economic power over the technical functioning of the installation has been delegated.

i. Operator Name:

ii. Street, Number:

iii. ZIP-Code:

iv. City:

v. Country:

vi. Name of authorized representative:

vii. Email:

viii. Telephone:

ix. Fax:

(i) **Installation address:**

i. Street, Number:

ii. ZIP-Code:

iii. City:

iv. Country:

2 Contact persons:

Please nominate persons here whom the competent authority can contact in case of questions regarding this report, including its verification.

(a) **Primary contact person for technical questions regarding installation data:**

i. Name:

ii. Email:

iii. Telephone:

iv. Fax:

(b) **Alternative contact person:**

i. Name:

ii. Email:

iii. Telephone:

iv. Fax:

3 Further installation data:

(a) **Activities according to Annex I of the EU ETS Directive:**

To the extent feasible, please sort the list with regard to the direct emissions, starting with the activity causing the highest direct emissions.

Number	Name of activity (Annex I of the ETS Directive)
1	Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or
2	
3	
4	
5	

(b) **Under which NACE code has your company reported value added for structural business statistics?**

If you are not sure about the values to enter here, please contact your relevant national statistics office.

NACE rev 1.1 can be found here:

http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=NACE_1_1&StrLanguageCode=EN&StrLayoutCode=HIERARCHIC

NACE rev 2.0 can be found here:

http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=NACE_REV2&StrLanguageCode=EN&StrLayoutCode=HIERARCHIC

NACE codes shall be entered at 4-digit level, in the form "nnnn", i.e. without any dots or other delimiters inbetween.

You will receive an error message if you do not enter exactly 4 digits.

i. NACE code reported for the year 2007 using NACE rev 1.1 classification:

ii. NACE code reported for the year 2010 using NACE rev 2 classification:

(c) **Please provide the identification code of the installation in the EPRTR, if applicable:**

The EPRTR is the European Pollutant Release and Transfer Register.

This information is useful for the competent authorities for consistency checks and alignment of environmental information sources.

(d) Installations that are operated only occasionally:

This includes in particular installations that are kept in reserve or on standby and installations operating on a seasonal schedule (Article 9(8) of the CIMs).

Conditions:

- it is clearly demonstrated that the installation is used occasionally, in particular, operated regularly as standby or reserve capacity or operated regularly following a seasonal schedule;
- the installation is covered by a greenhouse gas emissions permit and by all other relevant permits required in the national legal order of the Member State to operate the installation;
- it is technically possible to start operation on short notice and maintenance is carried out on a regular basis.

Please confirm here if your installation complies with these criteria:

FALSE

II Information on this application

1 Types of changes:

(a) This installation has been included in the National implementation measures (NIMs)?

TRUE

Please answer "TRUE" here, if this installation has been included in the list of installations, which the competent authority has established pursuant to Article 11 of the EU ETS Directive. This shows that the competent authority considers this installation an incumbent installation as defined by Article 3(a) of the CIMs, even if the initial free allocation has been zero.

(b) Is the installation a greenfield plant?

FALSE

An installation is considered a greenfield plant if this application form is used for applying for free allocation for the first time, i.e. if the installation has not been included in the NIMs, and has not reported any significant capacity change before.

If the installation is a greenfield plant, point (c) below is not relevant.

(c) Types of allocation changes relevant for this application

Please enter here the type(s) of allocation change(s) you are applying for.

There are the following three possible types of allocation change:

- Significant capacity extensions (Article 20 of the CIMs) and/or reductions (Article 21 of the CIMs)
- Cessation of operations of the installation as a whole (Article 22 of the CIMs)

Please note that if the installation as a whole has ceased operations none of the other two types of allocation change can be relevant and treated within this application.

- Partial cessations of operations and/or recovery from partial cessations (Article 23 of the CIMs)

Please note that significant changes and partial cessations, if both relevant, can both be treated within only one application.

Entries here will trigger conditional formats guiding you through the document.

Significant capacity extensions (Article 20 of the CIMs) and/or reductions (Article 21 of the CIMs)

Relevant sheets and sections in this template

Please note that depending on your entries further sections might become not relevant and will be shaded.

A (except II.4), C to H

2 Eligibility for free allocation:

Important note: In cases of significant capacity changes, which are reported with this template, the answers in this section should refer to the situation AFTER that significant capacity change.

(a) Is the installation an electricity generator pursuant to Article 3(u) of the Directive?

FALSE

Article 3(u) defines: "electricity generator" means an installation that, on or after 1 January 2005, has produced electricity for sale to third parties, and in which no activity listed in Annex I is carried out other than the combustion of fuels.

The Commission has provided a guidance paper to identify electricity generators.

Please note that the answer here will only have an impact on this current application in case you apply for a significant capacity reduction.

(b) Is the installation an installation for the capture of CO2, for transport of CO2 or a CO2 storage site?

FALSE

(c) This installation is considered as covered by Article 10a(3) of the EU ETS Directive:

FALSE

If the answer to (a) or (b) was positive, the answer to (c) is automatically positive.

(d) Does the installation produce heat?

TRUE

(e) Application for free allocation:

If the answers to points (a) and (b) are both negative, or if the answer to point (d) is positive, the installation can be considered as eligible for free allocation under Article 10a of the EU ETS Directive. If relevant for your installation, please confirm here that you apply for a free allocation of allowances under Article 10a:

The operator of this installation confirms that an application for a change of the amount of free allocation under Article 10a of the EU ETS Directive is hereby filed.

(f) Consent to use the data contained in this file:

The data contained in this file will be used by the competent authority for determining the free allocation pursuant to Article 10a of the EU ETS Directive, or any change to the amount of earlier allocation decisions. Furthermore these data will be notified to the European Commission in part or as a whole, in line with Article 24(2) of the CIMs.

The operator of this installation confirms that this report may be used by the competent authority and the European Commission.

3 Verifier engaged for the data provided in this application:

If you have entered that no significant capacity changes are relevant for this current application and the installation is not a greenfield plant but only cessation in accordance with Article 22 or partial cessations in accordance with Article 23 occurred, you are not required to engage a verifier for this application.

(a) Name and address of the verifier:

i.	Company Name:	
ii.	Street, Number:	
iii.	City:	
iv.	Postcode/ZIP:	
v.	Country:	

(b) Contact person for the verifier:

The nominated person should be familiar with this report. Ideally it is the lead verifier involved with this report.

i.	Name:	
ii.	Email address:	
iii.	Telephone number:	
iv.	Fax:	

(c) Information about the verifier's accreditation or recognition:

In case that the Member State uses not accreditation but another way of recognising verifiers, the relevant information should be entered below as if it were accreditation. The availability of such registration information may depend on the administering Member State's practice of accreditation / permitting of verifiers.

i.	Accreditation Member State:	
ii.	Registration number issued by the Accreditation body:	

4 Cessation of operations

not relevant

Please continue with the next points below

This section of the template is be used for reporting that an installation has (completely) ceased operations.

According to Art. 22(1) of the CIMs: "An installation is deemed to have ceased operations, where any of the following is met:

- a) *The greenhouse gas emissions permit, the permit in force in accordance with Directive 2008/1/EC or any other relevant environmental permit has expired*
- b) *The permits referred to under point (a) have been withdrawn;*
- c) *Operation of the installation is technically impossible;*
- d) *The installation is not operating, but has been operating before and it is technically impossible to resume operation;*
- e) *The installation is not operating, but has been operating before and the operator cannot prove that operation can resume within 6 months after having ceased operations. Member States may extend this period up to a maximum of 18 months if the operator can prove that this situation is due to exceptional and unforeseeable circumstances that could not have been avoided even if all due care had been exercised and that are beyond the control of the operator of the installation concerned, in particular because of circumstances such as natural disasters, war, threats of war, terrorist acts, revolution, riot, sabotage or acts of vandalism."*

This means that as a general rule, an installation which is not operating anymore as an ETS installation because of technical or legal reasons, and is not able to start operation again within 6 months, is considered to have ceased operation.

This includes installations which do not fall anymore within the scope of the ETS. Following Art. 22 (2) of the CIMs, item e) is not applicable for installations which are kept in reserve or standby and installations which are operated on a seasonal schedule. Therefore such installations are not considered to have ceased operations.

(a) Has the installation ceased operations? FALSE

(b) When did the installation cease operations? []

If the installation has ceased operations, please enter here the calendar year in which operations have been ceased.

(c) Why did the installation cease operations?

If the installation has ceased operations, please enter here one of the reasons a) to e) from the list above.

Note that item e) is not applicable to installations that are kept in reserve or standby and installations which are operated on a seasonal schedule.

[]

Please identify the permit that has expired or been withdrawn:

This is only relevant if you have chosen reasons a) or b) above.

[]

(d) Confirmation of cessation of operations

Where an installation has ceased operation, the Member State concerned shall not issue emission allowances to this installation as of the year following the cessation of operations in accordance with Article 22(3) of the CIMs. If this is relevant for your installation, please confirm here:

[]

Important note:

If the installation ceased operations, there is no obligation to report further detailed data in the following data sheets. It is only mandatory to complete section A.VI of this sheet ("InstallationData").

If no further data is to be reported, there is also no need for verification of this report.

If the installation should reopen anytime again it will be considered as a new entrant. Only in exceptional cases the Member State may interpret this longer interruption as a "partial cessation" rather than using the new entrant allocation.

III Initial allocation

Note:

This section is used for entering the allocation situation of the installation before the current application to which this file refers. The following inputs are needed (if applicable):

- Allocation granted as part of the NIMs, to be entered in section A.III.1 below
- A Chronological listing of all allocation changes before this current application (A.III.2)
- Allocations to new entrants (greenfield plants and significant capacity extensions) to be entered under section A.III.3 below.
- Reductions of allocation due to significant capacity reductions also to be entered under section A.III.3 below.
- Changes to the free allocation due to partial cessations of operations and recovery after partial cessations, to be reported under point A.III.4 below.

1 Final free allocation calculated for incumbents

relevant

Please enter data in this section!

Please list here the allocation granted for each sub-installation based on the baseline data collection carried out in your Member State for the purpose of the National Implementation Measures (NIMs) pursuant to Article 11(1) of the EU ETS Directive, following Article 7 of the CIMs.

The amounts to be entered here should reflect the final total amount of allowances allocated free of charge in accordance with Article 10(9) of the CIMs, i.e. allocation values with either the linear factor or the cross-sectoral correction factor applied, as appropriate. The values should be taken from section K.V.2.c of the NIMs baseline data collection report, provided that the competent authority has approved the data therein, and the European Commission has published the cross-sectoral uniform correction factor which has to be entered in section K.V.2.b of that file.

Note: Entries here are only relevant for incumbent installations as defined in Article 3(a) of the CIMs.

Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11	Heat benchmark sub-installation, CL	15,575	15,575	15,575	15,575	15,575	15,575	15,575
12	Heat benchmark sub-installation, non							
13	Fuel benchmark sub-installation, CL							
14	Fuel benchmark sub-installation, non							
15	Process emissions sub-installation, C							
16	Process emissions sub-installation, n							

17	Private households								
	Total final free allocation	15,575	15,575	15,575	15,575	15,575	15,575	15,575	15,575

2 History of allocation "changes" after 30 June 2011

relevant

Please enter data in this section!

This section is mandatory for

- incumbents that have already reported significant changes with a start of changed operation after 30 June 2011 prior to this current application, and
- installations that are not incumbents but have already reported a start of normal operation after 30 June 2011 prior to this current application, and
- all installations that have already reported partial cessation or recovery from partial cessation prior to this current application

Please note that "changes" relevant for this current application should not be entered in this section.

Please list here - if applicable - in chronological order all sub-installations, to which any of the following events apply, for which applications for allocation changes have been approved by the competent authority before the current application:

- first sub-installation of a greenfield plant (note that this can be assigned only if the installation is not an incumbent, and only for one sub-installation);
- significant capacity extension;
- significant capacity reduction;
- partial cessation;
- return after partial cessation.

In the column "starting date" the "start of normal operation" as defined by Article 3(n) for the first sub-installation of greenfield plants, or the "start of changed operation" as defined by Article 3(o) is to be entered for significant capacity changes. In case of partial cessation or recovery thereafter, no date is required.

No.	Sub-installation	Type of "change"	Starting Date	error message
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

3 Changes to the allocation for free as consequence of significant capacity changes, and for greenfield new entrants

Please enter in the table below the allocation changes which have been approved by the competent authority for the capacity changes listed in section A.III.2 above. Data is to be entered only for the following cases:

- first sub-installation of a greenfield plant;
- significant capacity extension;
- significant capacity reduction;

Values to be entered must refer to the final added or reduced allocation rather than the new total allocation. Thus, if a sub-installation has received 10,000 allowances under the NIMS and additional 2,000 allowances as consequence of a significant capacity extension, those 2,000 are to be entered in the table below. If the capacity is significantly reduced, e.g. by 4,000 allowances per year, this fact has to be entered as "-4000" in the table.

In case of the first sub-installation of a greenfield plant or for new sub-installations, the added final allocation equals the total allocation for that sub-installation.

Final means allocation values with either the linear factor or the cross-sectoral correction factor applied, as appropriate.

Values have to be entered for all years. The required values are given in sheet K_Summary section K.V.2.a of previous applications (subject to approval by the competent authority).

No.	Sub-installation	Unit	2013	2014	2015	2016	2017	2018	2019	2020
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

4 Adjustment factors applied for partial cessations and recovery after partial cessation

This section is mandatory for all installations that have already reported partial cessation or recovery from partial cessation prior to this current application.

Please enter in the table below for all partial cessations and recoveries after partial cessation listed in section A.III.2 above the relevant adjustment factor to be applied for each year.

Note that in case of several changes of the same sub-installation, all values have to be entered in the same row of the table.

The required values are given in sheet K_Summary section K.V.2.b of previous applications (subject to approval by the competent authority).

No.	Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

IV Description of the current application

1 List of sub-installations affected by this application

Please identify in this section, which sub-installations of your installation are affected by this application. Also new-sub-installations can be identified. Where sub-installations are removed, a "significant capacity reduction" is to be selected.

In the last column you have to identify what type of "change" is relevant for this current application. If no changes are relevant for a sub-installation, please choose "none".

If the installation is a greenfield plant, please indicate in the last column which sub-installation is the first sub-installation to start normal operation. If several sub-installation start on the same day, you have to choose one of them.

Every sub-installation name may occur only once. Otherwise some parts of this template will not function properly.

In case you report significant capacity changes you have to report the changed capacity in the relevant sections in sheets C, F and G, as applicable. In case you report partial cessations or recoveries after partial cessation, only data in the relevant sections in sheet B are required.

The following rules apply for defining sub-installations:

- For each type of product, only one sub-installation may be chosen. Similar products which are covered by the same product definition in the CIMs are aggregated.
- For each type of fall-back approach, a maximum of two sub-installations may exist, one exposed to significant risk of carbon leakage, the other non-exposed.
- Disclaimer: The status regarding carbon leakage ("CL") is based on Commission Decision 2010/2/EU as amended by Commission Decision 2011/745/EU. Further revisions of this Decision in the future are possible.

Please note that correct entries in this section are essential for all subsequent inputs dealing with sub-installations.

(a) Are new sub-installations relevant?

FALSE

Please indicate here if sub-installations are relevant for this application other than those mentioned already in section A.III.

In the case of greenfield plants all sub-installations are new sub-installations.

For existing installations new sub-installations are the result of a physical change. Selecting a new sub-installation means that a sub-installation is now relevant that has not been relevant at the installation before this application.

(b) Sub-installations relevant at your installation at the time of this application

The first green column is automatically filled with the sub-installations you have indicated in section A.III. New sub-installations must be selected in the column "New sub-installation".

Sub-installations 1 to 10 are reserved for product benchmarks. Sub-installation with fall-back approaches range from numbers 11 to 16.

New sub-installation must have the change type "significant capacity extension" or "first sub-installation of a greenfield plant", as appropriate.

For greenfield plants please select the "first sub-installation" that started normal operation. In case more than one sub-installation started on the same date, please only choose one and treat the others as significant capacity extension.

Please note that if you apply for significant capacity reductions the electricity generator status under II.1.a above has to be provided.

For the definition of the different change types and criteria for their applicability, please refer to guidance document no. 7 published by the Commission.

New sub-installation	Existing sub-installations	CL exposed?	change type	error message
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11	Heat benchmark sub-installation, CL	TRUE	significant capacity extension	
12		FALSE		
13		TRUE		
14		FALSE		
15		TRUE		
16		FALSE		

V Determination of the initial installed capacity

1 Data used for determining the initial installed capacity pursuant to Article 7(3) of the CIMs:

Please enter here for each sub-installation the initial installed capacity, if relevant, in the unit which is automatically displayed.

The initial installed capacity is needed for calculating the applicable activity level of the changed or new sub-installation, which is needed for calculating the free allocation of that sub-installation.

The initial installed capacity is the latest installed capacity which the competent authority has approved before the significant capacity change relevant for this application. This can be one of the following options:

- Capacity has been reported for the NIMs, thereafter no significant capacity change has been approved by the competent authority. The following options can be selected:
 - NIMs 2005-2008: Installed capacity has been reported by the standard method, i.e. as the average of the two highest monthly activity levels in the years 2005 to 2008.
 - NIMs Experimental Verification: Installed capacity has been determined by "experimental verification".
 - NIMs Article 9(6): The installation has been operating less than 2 years in the baseline period. Installed capacity has been determined pursuant to Article 9(6) of the CIMs.
 - NIMs Article 9(9): The installation has undergone significant capacity changes between 1.1.2005 and 30.6.2011. Installed capacity to be reported is the last installed capacity for calculating the allocation pursuant to Article 9(9) of the CIMs.
- Capacity has been approved by the competent authority as consequence of an earlier application, but later than in the NIMs. The following option can be selected:
 - Latest change Article 17(4)
- The sub-installation is new. For correct calculation the initial installed capacity is always to be set to zero. Please select the following option:
 - New sub-installation

Notes:

The definitions of the different fall-back sub-installations (Article 3(c), (d) and (h)) are to be respected when determining the "production level".

In particular, for heat benchmark sub-installations only the amount of measurable heat is to be reported which is produced within the installation or imported from installations covered by the ETS, and which is consumed within the installation's boundaries for the production of products, for the production of mechanical energy other than used for the production of electricity, for heating or cooling with the exception of the consumption for the production of electricity, or which is exported to an installation or other entity not covered by the Union scheme with the exception of the export for the production of electricity.

In case that new sub-installations have been claimed under section IV above the initial capacity for these sub-installations has to be set to zero and the new sub-installation will be treated as a significant capacity extension. For the first sub-installation to start normal operation the initial installed capacity will be taken from your entries in sheets F or G.

(a) Highest monthly production data or activity data:

Entries here are optional for product BM sub-installation but are mandatory for fall-back sub-installations if the following conditions are met:

- the initial installed capacity has not been provided for the NIMs application, and
- the initial installed capacity has not been provided for any previous applications after 30 June 2011, and
- the fall-back sub-installation is not a new sub-installation, i.e. it was part of the installation before this current application.

Please enter here for each sub-installation and each given year the two highest monthly production values, in the unit which is automatically displayed.

Sub-installation	Unit	2005	2006	2007	2008				
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11	Heat benchmark TJ	20.00	18.00	20.00	25.00	25.00	20.00	25.00	20.00
12									
13									

14									
15									
16									

(b) Determination of initial installed capacity:

If you have not entered data under point (a) above or the data entered there does not reflect the latest capacity, i.e. the capacity is not based on 2005-2008, inputs here are mandatory if indicated by the yellow colour code. For further guidance see description above.

In case that new sub-installations have been claimed under section IV above the initial capacity for these sub-installations has to be set to zero and the new sub-installation will be treated as a significant capacity extension. For the first sub-installation to start normal operation the initial installed capacity will be taken from your entries in sheets F or G.

How the initial installed capacity has been determined must be reported in the column "capacity source", using the methods listed above.

Sub-installation	Unit	capacity	used	capacity source	error message
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	Heat benchmark sub-installation, CL	TJ / year	300	300	NIMs 2005-2008
12					
13					
14					
15					
16					

VI List of technical connections

(a) Please enter here the information relevant for identifying technical connections to your installation:

This information is needed by the competent authority for ensuring consistency of the data provided, and for avoiding double counting of allocation data. Only those cases are relevant, where either measurable heat, waste gases or CO2 for the purpose of CCS activities cross the boundaries of the installation. "Import" here means that something enters the boundaries of the installation to which this report refers, "export" means something leaving those boundaries. Material and/or energy flows between sub-installations are not relevant, with the exception of heat stemming from nitric acid production.

In the column "Type of entity" the following options can be selected:

- Installation covered by ETS
- Installation outside ETS
- Installation producing Nitric Acid
- Heat distribution network

Special case: Nitric acid production:

- Please select this option for identifying that your installation uses heat from nitric acid production.
- Please list this fact even if the nitric acid production is part of your own installation, not only if your installation is connected to such installation.
- This information is relevant for the heat balance (sheet "E_EnergyFlows", section II)

Type of connection options are:

- Measurable heat
- Waste gas
- transferred CO2 (CCS)

Flow direction options are (perspective of the installation to which this report refers):

- Import (to this installation)
- Export (from this installation)

No.	Name of installation or entity	Type of entity	Type of connection	Flow direction
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

(b) Please enter here further information regarding those connected installations, if relevant:

Installation ID is mandatory if the connected installation is covered by the EU ETS.

Name of contact person and contact details of EU ETS installations are optional, unless made mandatory by your competent authority.

For entities not covered by the EU ETS, contact details are mandatory, but CITL ID is not required.

No.	Installation ID used in CITL	Name of contact person	email address	phone number
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

B. Sheet "PartialCessation" - Adjustment Factors for Partial Cessation

This sheet is used for entering data related to sub-installations which have partially ceased operations, or which have recovered after partial cessations. If these situations are not relevant for this application, please proceed to the next sheet immediately.

Determination of Adjustment Factors

1 Sub-installation:

[<<< Click here to proceed to next sheet >>>](#)

Pursuant to Article 23(1) of the CIMs an installation is deemed to have partially ceased operations, provided that one sub-installation, which contributes to at least 30 % of the installation's final annual amount of emission allowances allocated free of charge or to the allocation of more than 50 000 allowances, reduces its activity level in a given calendar year by at least 50% compared to the activity level used for calculating the sub-installation's allocation in accordance with Article 9 or, where applicable, with Article 18 (hereinafter "initial activity level").

If no partial cessations are relevant you can move on to the next sheet.

If only partial cessations are relevant, i.e. no significant capacity changes occurred, you are only required to fill in this sheet and then you can move on to the summary.

(a) **Calendar year in which the sub-installation partially ceased or recovered from partial cessation:**

Partial cessation occurs if the named sub-installation has reduced its annual activity level in a given calendar year by at least 50%, 75% or 90% compared to the [initial] activity level. The sub-installation has a recovery after such partial cessation, if those thresholds are not exceeded any more.

Here the calendar year is to be entered, during which the relevant thresholds have been exceeded / not any more exceeded, i.e. the year before the adjustment of the free allocation of allowances has to take place.

(b) **Test if the sub-installation satisfies the criteria for being relevant:**

Partial cessations can only occur if the sub-installation concerned contributes to at least to 30% of the installation's final annual amount of emission allowances allocated free of charge OR more than 50 000 allowances in the year chosen under point (a) above.

Since the contribution of a sub-installation to an installation's allocation can change over the years, entry under point (a) is required in order to check if one of those two criteria is fulfilled.

i.	EUA / year	<input type="text"/>
ii.	Final total allocation of the installation	EUA / year <input type="text"/>

Check: 30% / 50 000 EUA criterion

(c) **History of changes of the activity level**

The initial activity level should be understood as the activity level used for calculating the sub-installation's allocation in accordance with Art. 9 of the CIMs, or, where applicable, Art. 18 of the CIMs. This is the historical activity level used to determine the allocation in the NIMs, or where applicable, the activity level used to calculate the allocation for new installations (new entrants). If applicable and if not done so already, to determine the initial activity level, these activity levels should be corrected for any significant changes in capacity prior to the partial cessation of operation.

The activity level of an incumbent sub-installation should be understood as the activity level of that sub-installation including significant changes in accordance with Article 9(9) of the CIMs, if relevant. In case of installations that are not incumbent, this activity level should be set to zero.

Please enter here for all significant changes that occurred after 30 June 2011 the added or reduced activity level. It is important to use the added or reduced activity levels only and not the total numbers. E.g. a sub-installation had an initial activity level of 100 determined in the NIMs allocation. After a significant reduction the new activity level is 80. The value to be entered here is "-20".

This new activity level is then considered to be the initial activity level for partial cessations.

Number	Starting date	Unit	annual activity level	error message
0	Initial activity level for NIMs	---		
1				
2				
3				
4				
5				
6				
7				
8				
9				

(d) **Initial annual activity level**

The value here is the sum of all changed annual activity levels entered under point (c) above.

(e) **Current annual activity level**

Please enter here the annual activity level in the calendar year selected under point (a) above.

Check: Reduction

(f) **Adjustment factor to be applied:**

This value is calculated automatically from your entries above.

In accordance with Article 23(2) the initial amount of allowances for that sub-installation will be multiplied by that factor as of the year following the one chosen under point (a).

- If the activity level is reduced by 50% to 75% compared to the initial activity level, the adjustment factor is 0.50.

- If the activity level is reduced by 75% to 90% compared to the initial activity level, the adjustment factor is 0.25.

- If the activity level is reduced by 90% or more compared to the initial activity level, the adjustment factor is 0.00.

If only partial cessations are relevant, i.e. no significant capacity changes occurred, you are only required to fill in this sheet and then you can move on to the summary.

2 Sub-installation:

[<<< Click here to proceed to next sheet >>>](#)

(a) **Calendar year in which the sub-installation partially ceased or recovered from partial cessation:**

(b) **Test if the sub-installation satisfies the criteria for being relevant:**

i.	EUA / year	<input type="text"/>
ii.	Final total allocation of the installation	EUA / year <input type="text"/>

Check: 30% / 50 000 EUA criterion

(c) **History of changes of the activity level**

Number		Starting date	Unit	annual activity level	error message
0	Initial activity level for NIMs	---			
1					
2					
3					
4					
5					
6					
7					
8					
9					

(d) Initial annual activity level

--	--

(e) Current annual activity level

--	--

Check: Reduction

--

(f) Adjustment factor to be applied:

--	--

3 Sub-installation:

--

--

[<<< Click here to proceed to next sheet >>>](#)

(a) Calendar year in which the sub-installation partially ceased or recovered from partial cessation:

--

(b) Test if the sub-installation satisfies the criteria for being relevant:

i.	EUA / year	
ii.	Final total allocation of the installation	EUA / year

Check: 30% / 50 000 EUA criterion

--

(c) History of changes of the activity level

Number		Starting date	Unit	annual activity level	error message
0	Initial activity level for NIMs	---			
1					
2					
3					
4					
5					
6					
7					
8					
9					

(d) Initial annual activity level

--	--

(e) Current annual activity level

--	--

Check: Reduction

--

(f) Adjustment factor to be applied:

--	--

C. Sheet "StartingDate" - Start of normal or changed operation

This sheet is used for entering data related to the start of normal operation of new installations ("greenfield installations") or the start of changed operation of sub-installations after a significant capacity changes.

If these situations are not relevant for this application, the next sheets are not relevant and you can proceed to sheet "K_Summary" immediately.

I Determination of the start of normal or changed operation

1 Sub-installation

Heat benchmark sub-installation, CL

significant capacity extension

Please enter data in this section!

In accordance with Article 3(n) of the CIMs the 'start of normal operation' means the verified and approved first day of a continuous 90-day period, or, where the usual production cycle in the sector concerned does not foresee continuous production, the first day of a 90-day period split in sector-specific production cycles, during which the installation operates at least at 40% of the capacity that the equipment is designed to accommodate taking into account, where appropriate, the installation-specific operating conditions;

In accordance with Article 3(o) of the CIMs the 'start of changed operation' means the verified and approved first day of a continuous 90-day period, or, where the usual production cycle in the sector concerned does not foresee continuous production, the first day of a 90-day period split in sector-specific production cycles, during which the changed sub-installation operates at least at 40% of the capacity that the equipment is designed to accommodate taking into account, where appropriate, the sub-installation-specific operating conditions;

In both cases this date is of crucial interest for allocation as

- only after the start of normal or changed operation an installation is eligible for (changes of) allocation in accordance with Articles 17, 20 or 21 of the CIMs.
- an application should be submitted within one year after the start of normal or changed operation.
- the amount of allowances allocated free of charge depends on the start of normal or changed operation.

(a) Design capacity

The design capacity needs to be determined on the basis of project documentation and on the guaranteed values given by the supplier. Relevant documents could be reports - the ones accompanying the project - datasheets, guaranteed maximum performance values.

- For significant capacity extensions this design capacity shall relate to the added design capacity.
- For significant capacity reductions this design capacity shall relate to the remaining design capacity.

Heat benchmark sub-installation, CL TJ / year 110

Please enter here a brief description how the design capacity has been determined.

Suppliers Documentation used to determine the design capacity should be attached and referenced here along with details of the calculation of the design capacity and the daily activity levels.

(b) Operated for continuous 90 day period?

TRUE

Entering "TRUE" here means that activity level of this sub-installation has been higher than zero on each day during a continuous 90 day period. The continuous 90 day period is to be understood as a period of 90 consecutive days in which the sub-installation is operated each day.

In case the sector's usual production cycle does not foresee such continuous 90 day periods, the sector-specific production cycles are added up to a 90 day period. Please provide here a short description of those usual production cycles. (e.g. "the sub-installation normally operates only 5 days per week")

(c) Date of start-up

Please enter here the date of technical start-up of the installation in case the installation is a greenfield plant or of the sub-installation after the physical change.

Please note that this date may in many cases be different from the start of normal or changed operation.

Date of start-up ---

(d) Input method:

Related to added capacity

This point is only relevant in case of significant capacity extensions.

You can choose the method for entering data in the table below under point (e). Available options are: "Total activity" or "Related to added capacity".

- When possible, the activity level will be based on the physically added capacity: e.g. when the capacity extension consists of a new production line, the activity level related to the added capacity is the production of the new production line.

If this is the case you should choose "Related to added capacity"

- Some capacity extensions will be modifications to existing equipment. It may then be difficult for the operator to provide the required activity level data related to the added design capacity only. In such cases, the activity level attributed to the added capacity is determined by the total activity level of the relevant sub-installation (ALtotal) minus the average activity level in calendar years (not earlier than 2005) prior to the physical change in the table below under point (e).

If this is the case you should choose "Total activity"

(e) Determination of the start of normal or changed operation

Entries in this table are required to determine the start of normal or changed operation and whether the 40% threshold has been exceeded.

Please enter in the first column all dates that are part of the 90 day period.

If you have entered "FALSE" under point (b) above only enter data for days with an activity level higher than zero.

The relevant activity level is to be understood as the

- the activity level of the first sub-installation in case the installation is a greenfield plant
- the activity level related to the added capacity in case of significant capacity extensions.
- the remaining activity level in case of significant capacity reductions.

The start of normal or changed operation will be calculated automatically and displayed under point (f) below.

The daily activity level does not need to be above the 40% during each day in the 90 day period.

Notes for significant extensions:

If you have entered "Total activity" under point (d) above you are required to enter the average daily activity level in calendar years (not earlier than 2005) prior to the physical change and the total activity level of the sub-installation on the relevant date.

If you have entered "Related to added capacity" under point (d) above you are only required to enter the relevant daily activity level.

Day	Date	Unit	Average activity level	Total activity level	relevant activity level	activity level used
1	26/02/2013	TJ			0.01	0.01
2	27/02/2013	TJ			0.01	0.01
3	28/02/2013	TJ			0.01	0.01
4	01/03/2013	TJ			0.15	0.15
5	02/03/2013	TJ			0.15	0.15
6	03/03/2013	TJ			0.15	0.15
7	04/03/2013	TJ			0.2	0.20
8	05/03/2013	TJ			0.15	0.15
9	06/03/2013	TJ			0.13	0.13
10	07/03/2013	TJ			0.12	0.12

11	08/03/2013	TJ			0.12	0.12
12	09/03/2013	TJ			0.13	0.13
13	10/03/2013	TJ			0.15	0.15
14	11/03/2013	TJ			0.15	0.15
15	12/03/2013	TJ			0.17	0.17
16	13/03/2013	TJ			0.18	0.18
17	14/03/2013	TJ			0.16	0.16
18	15/03/2013	TJ			0.16	0.16
19	16/03/2013	TJ			0.16	0.16
20	17/03/2013	TJ			0.14	0.14
21	18/03/2013	TJ			0.15	0.15
22	19/03/2013	TJ			0.15	0.15
23	20/03/2013	TJ			0.15	0.15
24	21/03/2013	TJ			0.15	0.15
25	22/03/2013	TJ			0.15	0.15
26	23/03/2013	TJ			0.15	0.15
27	24/03/2013	TJ			0.15	0.15
28	25/03/2013	TJ			0.15	0.15
29	26/03/2013	TJ			0.15	0.15
30	27/03/2013	TJ			0.15	0.15
31	28/03/2013	TJ			0.155	0.16
32	29/03/2013	TJ			0.16	0.16
33	30/03/2013	TJ			0.17	0.17
34	31/03/2013	TJ			0.145	0.15
35	01/04/2013	TJ			0.15	0.15
36	02/04/2013	TJ			0.18	0.18
37	03/04/2013	TJ			0.18	0.18
38	04/04/2013	TJ			0.17	0.17
39	05/04/2013	TJ			0.175	0.18
40	06/04/2013	TJ			0.175	0.18
41	07/04/2013	TJ			0.18	0.18
42	08/04/2013	TJ			0.19	0.19
43	09/04/2013	TJ			0.18	0.18
44	10/04/2013	TJ			0.19	0.19
45	11/04/2013	TJ			0.2	0.20
46	12/04/2013	TJ			0.2	0.20
47	13/04/2013	TJ			0.2	0.20
48	14/04/2013	TJ			0.2	0.20
49	15/04/2013	TJ			0.2	0.20
50	16/04/2013	TJ			0.22	0.22
51	17/04/2013	TJ			0.21	0.21
52	18/04/2013	TJ			0.2	0.20
53	19/04/2013	TJ			0.22	0.22
54	20/04/2013	TJ			0.21	0.21
55	21/04/2013	TJ			0.23	0.23
56	22/04/2013	TJ			0.23	0.23
57	23/04/2013	TJ			0.23	0.23
58	24/04/2013	TJ			0.23	0.23
59	25/04/2013	TJ			0.22	0.22
60	26/04/2013	TJ			0.21	0.21
61	27/04/2013	TJ			0.23	0.23
62	28/04/2013	TJ			0.21	0.21
63	29/04/2013	TJ			0.19	0.19
64	30/04/2013	TJ			0.2	0.20
65	01/05/2013	TJ			0.24	0.24
66	02/05/2013	TJ			0.23	0.23
67	03/05/2013	TJ			0.22	0.22
68	04/05/2013	TJ			0.24	0.24
69	05/05/2013	TJ			0.24	0.24
70	06/05/2013	TJ			0.25	0.25
71	07/05/2013	TJ			0.25	0.25
72	08/05/2013	TJ			0.26	0.26
73	09/05/2013	TJ			0.27	0.27
74	10/05/2013	TJ			0.26	0.26
75	11/05/2013	TJ			0.25	0.25
76	12/05/2013	TJ			0.25	0.25
77	13/05/2013	TJ			0.26	0.26
78	14/05/2013	TJ			0.27	0.27
79	15/05/2013	TJ			0.25	0.25
80	16/05/2013	TJ			0.25	0.25
81	17/05/2013	TJ			0.25	0.25
82	18/05/2013	TJ			0.26	0.26
83	19/05/2013	TJ			0.25	0.25
84	20/05/2013	TJ			0.25	0.25
85	21/05/2013	TJ			0.25	0.25
86	22/05/2013	TJ			0.25	0.25
87	23/05/2013	TJ			0.25	0.25
88	24/05/2013	TJ			0.26	0.26
89	25/05/2013	TJ			0.25	0.25
90	26/05/2013	TJ			0.26	0.26
91	27/05/2013	TJ			0.25	0.25
92	28/05/2013	TJ			0.26	0.26
93	29/05/2013	TJ			0.25	0.25
94	30/05/2013	TJ			0.25	0.25
95	31/05/2013	TJ			0.25	0.25

96	01/06/2013	TJ			0.3	0.30
97	02/06/2013	TJ			0.3	0.30
98	03/06/2013	TJ			0.3	0.30
99	04/06/2013	TJ			0.25	0.25
100	05/06/2013	TJ			0.25	0.25
101	06/06/2013	TJ			0.25	0.25
102	07/06/2013	TJ			0.25	0.25
103	08/06/2013	TJ			0.25	0.25
104	09/06/2013	TJ			0.25	0.25
105	10/06/2013	TJ			0.25	0.25
106	11/06/2013	TJ			0.25	0.25
107	12/06/2013	TJ			0.25	0.25
108	13/06/2013	TJ			0.25	0.25
109	14/06/2013	TJ			0.3	0.30
110	15/06/2013	TJ			0.3	0.30
111	16/06/2013	TJ			0.3	0.30
112	17/06/2013	TJ			0.3	0.30
113	18/06/2013	TJ			0.28	0.28
114	19/06/2013	TJ			0.27	0.27
115	20/06/2013	TJ			0.28	0.28
116	21/06/2013	TJ			0.29	0.29
117	22/06/2013	TJ			0.29	0.29
118	23/06/2013	TJ			0.28	0.28
119	24/06/2013	TJ			0.29	0.29
120	25/06/2013	TJ			0.3	0.30
121	26/06/2013	TJ			0.3	0.30
122	27/06/2013	TJ			0.3	0.30
123	28/06/2013	TJ			0.28	0.28
124	29/06/2013	TJ			0.27	0.27
125	30/06/2013	TJ			0.29	0.29
126	01/07/2013	TJ			0.29	0.29
127	02/07/2013	TJ			0.29	0.29
128	03/07/2013	TJ			0.3	0.30
129	04/07/2013	TJ			0.3	0.30
130	05/07/2013	TJ			0.32	0.32
131	06/07/2013	TJ			0.3	0.30
132	07/07/2013	TJ			0.29	0.29
133	08/07/2013	TJ			0.3	0.30
134	09/07/2013	TJ			0.3	0.30
135	10/07/2013	TJ			0.28	0.28
136	11/07/2013	TJ			0.29	0.29
137	12/07/2013	TJ			0.28	0.28
138	13/07/2013	TJ			0.27	0.27
139	14/07/2013	TJ			0.26	0.26
140	15/07/2013	TJ			0.28	0.28
141	16/07/2013	TJ			0.29	0.29
142	17/07/2013	TJ			0.3	0.30
143	18/07/2013	TJ			0.28	0.28
144	19/07/2013	TJ			0.28	0.28
145	20/07/2013	TJ			0.29	0.29
146	21/07/2013	TJ			0.28	0.28
147	22/07/2013	TJ			0.29	0.29
148	23/07/2013	TJ			0.28	0.28
149	24/07/2013	TJ			0.29	0.29
150	25/07/2013	TJ			0.28	0.28

(f) Result: Start of normal or changed operation

The activity level is calculated by adding up the daily activity levels in the 90 day period entered under point (e) above. To assess whether the 40% threshold was reached, this number is divided by the design capacity entered under point (a) above of the sub-installation multiplied by (90 divided by 365).

This date is only displayed if the accumulated activity levels entered under point (c) above reach at least 40% of the design capacity entered under point (a) above over the 90 day period.

Heat benchmark sub-installation, CL	---	26/02/2013	Check: 40% rule	63.6%
-------------------------------------	-----	------------	-----------------	-------

2 Sub-installation

[<<< Click here to proceed to next sheet >>>](#)

(a) Design capacity

(b) Operated for continuous 90 day period?

(c) Date of start-up

Date of start-up	---	
------------------	-----	--

(d) Input method:



(e) Determination of the start of normal or changed operation

Day	Date	Unit	Average activity level	Total activity level	relevant activity level	activity level used
1						
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(f) Result: Start of normal or changed operation

Check: 40% rule

3 Sub-installation

[<<< Click here to proceed to next sheet >>>](#)

(a) Design capacity

(b) Operated for continuous 90 day period? _____

(c) Date of start-up

Date of start-up --- _____

(d) Input method:

(e) Determination of the start of normal or changed operation

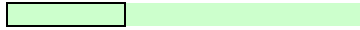
Day	Date	Unit	Average activity level	Total activity level	relevant activity level	activity level used
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(f) Result: Start of normal or changed operation



Check: 40% rule



[<< Click here to proceed to next sheet >>](#)

D. Sheet "Emissions" - ATTRIBUTION OF EMISSIONS

I Total Direct Greenhouse Gas Emissions and Energy Input from Fuels

Result of installation level data for use in sheets "D_Emissions" and "E_EnergyFlows":

Please enter here the monthly total emissions and the total energy input from fuels starting with the month of the start of normal or changed operation, whatever relevant. For determining which months are to be reported, see guidance document No. 7, chapter 3.2.2, 4.3, or 5.2, as appropriate.

Installation level data:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Total CO2 emissions	t CO2	1,790	1,800	1,860	1,880	1,880	1,890
Memo-Item: Biomass emissions	t CO2						
Total N2O emissions	t CO2e						
Total PFC emissions	t CO2e						
Total direct emission of the Installation	t CO2e	1,790	1,800	1,860	1,880	1,880	1,890
Total energy input from fuels	TJ	45.00	45.00	46.50	47.00	47.00	48.00

In case the installation is a greenfield plant, additional allowances shall be allocated on the basis of historic emissions expressed as tonnes of carbon dioxide equivalent in accordance with Article 19(2). Therefore, it is necessary to enter here the independently verified emissions which occurred prior to the start of normal operation (data of the full phase, not monthly data).

Installation level data:	Unit	before start
Total CO2 emissions	t CO2	
Memo-Item: Biomass emissions	t CO2	
Total N2O emissions	t CO2e	
Total PFC emissions	t CO2e	
Total direct emission of the Installation	t CO2e	
Total energy input from fuels	TJ	

II Attribution of emissions to sub-installations

Attribution to sub-installations

This section is needed for determining historic activity levels for the process emissions sub-installations.

(a) Input method:

Absolute values	
-----------------	--

You can choose the method for entering the values in the table below under point (b). Available options are: "Absolute values" (enter t CO2e/year), or "percentages".

For fast data entries in simple cases, where most entries will be "100%" or zero, percentages are the better choice.

(b) Attribution to relevant sub-installations:

The table below is intended to provide an attribution of emissions into the different types of sub-installations.

If you have chosen "percentages" under point (a) above, the data to be entered here refers to percent of the data shown under section I above.

This means that 100% = the installation's total direct emissions.

The table does not take into account the differentiation regarding exposure to the risk of carbon leakage, and regarding different product benchmarks.

Only for process emissions sub-installations "CL" (exposed to a significant risk of Carbon Leakage) and "non-CL" (not exposed to carbon leakage risk) are distinguished.

"Process emissions sub-installation" here is to be used strictly in the sense of Article 3(h) of the CIMs. The definition of process emissions given by the Regulation pursuant to Article 14 of the EU ETS Directive are not relevant here.

"Other emissions (non-eligible)" refers to emissions related to flaring other than safety flaring, and other emissions which do not lead to allocations.

Important note:

For waste gases outside the boundaries of product benchmarks, the "waste gases" tool below has to be used for calculating process emissions.

For CHP units, please use the formula provided on page 26 of Guidance Document 6 to attribute the resulting emissions to the electricity and to the heat production.

Installation level data:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Emissions related to electricity production	t CO2e	0.00	0.00	0.00	0.00	0.00	0.00
ii. Emissions related to product benchmarks	t CO2e	0.00	0.00	0.00	0.00	0.00	0.00
iii. Emissions related to heat benchmark sub-install	t CO2e	1,790.00	1,800.00	1,860.00	1,880.00	1,880.00	1,890.00
iv. Emissions related to fuel benchmark sub-install	t CO2e	0.00					
v. Process emissions sub-installation, CL	t CO2e	0.00					
vi. Process emissions sub-installation, non-CL	t CO2e	0.00					
vii. Control: Other emissions (non-eligible)	t CO2e	0.00	0.00	0.00	0.00	0.00	0.00

For control purposes, the inputs are displayed here in the unit which you have not chosen for input:

Installation level data:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
viii. Emissions related to electricity production	%	0.00	0.00	0.00	0.00	0.00	0.00
ix. Emissions related to product benchmarks	%	0.00	0.00	0.00	0.00	0.00	0.00
x. Emissions related to heat benchmark sub-install	%	100.00	100.00	100.00	100.00	100.00	100.00
xi. Emissions related to fuel benchmark sub-install	%	0.00					
xii. Process emissions sub-installation, CL	%	0.00					
xiii. Process emissions sub-installation, non-CL	%	0.00					
xiv. Control: Other emissions (non-eligible)	%	0.00	0.00	0.00	0.00	0.00	0.00

In case the installation is a greenfield plant please attribute here the independently verified emissions in the period prior to the start of normal operation to the relevant sub-installations.

Please note that only emissions attributed to the relevant sub-installations are eligible.

The eligible amount will be determined as the difference between the sum of all entries here (xv. to xx.) and the emissions related to electricity production (xv.)

Installation level data:	Unit	before start	Unit	before start
xv. Emissions related to electricity production	t CO2e		%	
xvi. Emissions related to product benchmarks	t CO2e		%	
xvii. Emissions related to heat benchmark sub-install	t CO2e		%	
xviii. Emissions related to fuel benchmark sub-install	t CO2e		%	
xix. Process emissions sub-installation, CL	t CO2e		%	
xx. Process emissions sub-installation, non-CL	t CO2e		%	
xxi. Control: Other emissions (non-eligible)	t CO2e		%	

III Waste gases

Pursuant to the definition given in Article 3(h) of the CIMs, (combustible) waste gases occurring outside the boundaries of product benchmarks are considered process emissions.

However, for waste gases a CO2 amount equivalent to natural gas used for the "technically usable energy content" is to be subtracted from the total process emissions.

The amount of process emissions without this subtraction is referred to as "uncorrected process emissions" below.

In order to determine the "technically usable energy content" the following information is needed:

- Amount of waste gases used for electricity production and for production of measurable or other heat outside of product benchmark sub-installations, or exported out of the installation;
- Optionally (for consistency checking) the process emissions associated with these waste gas amounts should be reported.
- Net calorific value of the waste gas;

- Assumptions for the different efficiency for the use of waste gas and natural gas. These assumptions are as follows: Efficiency of electricity production with natural gas is 52.5%, with waste gases 35%;
- Emission factor of natural gas: 56.1 t CO₂/TJ.

1 Tool for calculating the amount of process emissions if waste gases are produced outside product benchmarks

(a) This section relates to the process emissions sub-installation of this type:

Please select here to which of the two process emission sub-installations the data in this tool is related.
Because both possible sub-installations can be concerned in one installation, or because different waste gases can occur, this "waste gas tool" exists twofold in this template.
The production, not the use of the waste gas is relevant for determining the correct sub-installation.

(b) Please confirm if waste gases are relevant for this sub-installation:

(c) Type of waste gas:

Please describe the waste gas and the process from which it is produced. Above enter a name for the gas stream, below give a short process description.
If several different waste gases are relevant in your installation, please submit details in separate files using this tool.

(d) Total amount of process emissions before subtracting an equivalent for the technically usable energy content:
This amount must be consistent with the carbon leakage status selected under point (b) above.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Uncorrected process emissions	t CO ₂ e						

(e) Estimation of waste gas emissions
Optionally, and for the purpose of consistency checks only, please provide an estimation of the quantity of emissions relating to the waste gas used or exported.
This amount must be consistent with the amount of waste gas under point (f) below.

Emissions from waste gases	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
outside product benchmarks	t CO ₂ e						

(f) Amount of waste gas produced outside product benchmark sub-installations, including for exports:
This amount must be consistent with the carbon leakage status selected under point (b) above.
Only waste gas which is used for the production of heat or electricity is relevant. If the waste gas is flared, only the amount relating to safety flaring is relevant.
You may choose to report either as tonnes or as 1000 Nm³ (cubic meters under standard conditions). The units must be consistent with those for the NCV below.

Amount of waste gas per year	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
outside product benchmarks							

(g) Net calorific value of the waste gas
You may choose to report either as GJ/t or as GJ/1000 Nm³. The units must be consistent with those for the amounts above.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Net calorific value	GJ / Unit						

(h) Necessary assumptions:
Reference efficiency for production of electricity: using natural gas: using waste gas:
Emissions factor for natural gas:

(i) Emissions to be subtracted for taking into account the technically usable energy content:
These amounts are automatically calculated based on the figures input above. The formula is described in the guidance note No. 8.

Deduction for waste gases	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
outside product benchmarks	t CO ₂						

(j) Process emissions calculated taking into account the correction for waste gases (=d-i)
This is the final result of this tool. The values displayed here should be entered above, section D.II.2(b), for the appropriate sub-installation.
Calculation results can only be considered correct if complete and consistent data is reported in sections above.
In case the result is negative, it is set to zero.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Result of waste gas tool:	t CO ₂						

2 Tool for calculating the amount of process emissions if waste gases are produced outside product benchmarks

[Detailed instructions for data entries in this tool can be found at the first copy of this tool. \(D.III.1\)](#)

(a) This section relates to the process emissions sub-installation of this type:

(b) Please confirm if waste gases are relevant for this sub-installation:

(c) Type of waste gas:

(d) Total amount of process emissions before subtracting an equivalent for the technically usable energy content:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Uncorrected process emissions	t CO ₂ e						

(e) Estimation of waste gas emissions

Emissions from waste gases	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
outside product benchmarks	t CO ₂ e						

(f) Amount of waste gas produced outside product benchmark sub-installations, including for exports:

Amount of waste gas per year	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
outside product benchmarks							

(g) Net calorific value of the waste gas

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Net calorific value	GJ / Unit						

(h) Necessary assumptions:
Reference efficiency for production of electricity: using natural gas: using waste gas:
Emissions factor for natural gas:

(i) Emissions to be subtracted for taking into account the technically usable energy content:

Deduction for waste gases	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
outside product benchmarks	t CO ₂						

(j) Process emissions calculated taking into account the correction for waste gases (=d-i)

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Result of waste gas tool:	t CO ₂						

E. Sheet "EnergyFlows" - DATA ON ENERGY INPUT, MEASURABLE HEAT AND ELECTRICITY

I Energy input from fuels

1 Overview and split into use categories

(a) Energy input from fuels, total installation (taken from sheet "D_Emissions", section I):

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Total energy input from fuels	TJ	45.00	45.00	46.50	47.00	47.00	48.00
	Unit	before start					
Total energy input from fuels	TJ						

(b) Input method:

Percentages	
-------------	--

You can choose the method for entering the values in the table below under point (c). Available options are: "Absolute values" (enter TJ/year), or "percentages". For fast data entries in simple cases, where most entries will be "100%" or zero, percentages are the better choice.

(c) Distribution of fuel input to different uses (absolute values)

Please enter in the table below the amount of energy consumed for each use type, or - depending on input (b) - the percentage of amount (a). Special care should be taken for attribution of energy input to the two sub-installations which are relevant for allocation purposes: Fuel benchmark sub-installation "CL" (exposed to a significant risk of Carbon Leakage) and "non-CL" (not exposed to carbon leakage risk). For control purposes, the rest (100% minus total of inputs) is displayed in the bottom line. This refers to energy input which is not eligible for allocation.

Usage type of fuel input	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Fuel input to electricity production	%						
ii. Fuel input for production of measurable heat	%	100.00	100.00	100.00	100.00	100.00	100.00
iii. Fuel input as part of product benchmarks	%						
iv. Fuel benchmark sub-installation, CL	%						
v. Fuel benchmark sub-installation, non-CL	%						
vi. Rest	%	0.00	0.00	0.00	0.00	0.00	0.00

For control purposes, the inputs are displayed here in the unit which you have not chosen for input:

Usage type of fuel input	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
vii. Fuel input to electricity production	TJ						
viii. Fuel input for production of measurable heat	TJ	45.00	45.00	46.50	47.00	47.00	48.00
ix. Fuel input as part of product benchmarks	TJ						
x. Fuel benchmark sub-installation, CL	TJ						
xi. Fuel benchmark sub-installation, non-CL	TJ						
xii. Rest	TJ	0.00	0.00	0.00	0.00	0.00	0.00

In case the installation is a greenfield plant please attribute here the fuel inputs in the phase prior to the start of normal operation (data of the full phase, not monthly data) to the relevant categories.

Usage type of fuel input	Unit	before start	Unit	before start
Fuel input to electricity production	%		TJ	
Fuel input for production of measurable heat	%		TJ	
Fuel input as part of product benchmarks	%		TJ	
Fuel benchmark sub-installation, CL	%		TJ	
Fuel benchmark sub-installation, non-CL	%		TJ	
Rest	%		TJ	

II Measurable heat

Balance of measurable heat at the installation

All heat data should refer to "net amount of measurable heat" (i.e. heat content of heat flow to user minus heat content of the return flow).

Outline of the calculation approach used:

If both types of heat input are relevant, "eligible" (self-produced and/or imported from ETS installations) and "non-eligible" (import from non-ETS or produced from a Nitric acid sub-installation), AND if both types of heat use take place, i.e. "eligible" (internal use and/or export to non-ETS) and "non-eligible" (export to ETS-Installations), it is necessary to earmark the eligible and non-eligible cases.

A hierarchy of approaches is proposed for this earmarking:

- If the heat amounts can be clearly earmarked (because of the heat grid connections being clearly defined, or because of the steam pressure levels etc.), eligible and non-eligible heat amounts shall be reported according to this real situation.
- If this is not feasible, all uses shall be weighted according to the ratio of inputs (ETS input : total input) as defined above.

For the purpose of this template, the following step-by-step approach is used:

- A separate balance for the consumption of the "eligible" and "non-eligible" heat is calculated.
- For electricity production, heat consumption is split according to the ratio displayed under point (e), unless the amount of heat from non-eligible sources is manually input under (f).iii.
- For product benchmarks the total amount of measured heat is asked under (g) below. The amount of "non-eligible" heat is taken as sum of inputs in sheet "F_ProductBM", section (d).i of each sub-installation (shown here below under (g).ii).
- Heat exports to installations covered by the ETS (section (h) below) must always be considered as heat from eligible sources, because the consumer of the heat will not have the information about eligibility of the upstream produced heat. Thus, for avoiding double counting, the heat must be deducted from the eligible amount in this installation. The amount is to be capped by the total available "eligible" heat of the installation.
- From the remaining amount of measurable heat, it must be determined how much is consumed within the installation (except for electricity production and product benchmark sub-installations). The amount of "eligible" heat remaining at the end of the previous steps is the upper limit.
- After these deductions of heat from the available amount, a new "eligibility ratio" is calculated (point (j)).
- The remaining eligible amount can then be attributed to the both heat benchmark sub-installations. Heat losses are displayed for the purpose of completeness.

Heat Inputs

(a) Total net amount of measurable heat produced in the installation:

All heat data should refer to "net amount of measurable heat" (i.e. heat content of heat flow to user minus heat content of the return flow).

Note that heat produced from nitric acid sub-installations has to be reported under point (c) as "non-ETS import".

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Measurable heat produced	TJ	31.50	31.50	32.55	33.00	33.00	33.50

(b) Measurable heat imported from installations covered by the EU ETS:

Installation names in the drop down list are taken from Section A.IV. Therefore you must ensure that you have entered complete data there.

Name of installation	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv. Sub-total	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(c) Measurable heat imported from installations and entities not covered by the EU ETS (not eligible for heat benchmark):

This includes the nitric acid producing sub-installations (select "Within installation" as name of installation, if the nitric acid production is part of this installation).
 Note that the data entered here is to be checked for double counting with deductions under product benchmark sub-installations (see sheet "ProductBM").

Name of installation or entity	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv. Sub-total	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(d) Sum of measurable heat available at installation (=a+b+c)

Total measurable heat	TJ	31.50	31.50	32.55	33.00	33.00	33.50
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(e) Ratio of "ETS heat" to "Total heat"

"ETS heat" is heat produced in the installation plus heat imported from ETS installations (=a+b).
 Total heat is the ETS heat plus heat imported from non-ETS entities and installations (=a+b+c).

Heat input ratio (a+b) / (a+b+c):	%	100.00	100.00	100.00	100.00	100.00	100.00
-----------------------------------	---	--------	--------	--------	--------	--------	--------

Heat not falling under heat benchmark sub-installations

Before the amount of heat falling under the heat benchmark sub-installations can be quantified, the amount not eligible for this purpose has to be identified.
 In a first step the non-eligible amounts for heat use within the installation are considered.
 This is the amount of heat used for electricity production and heat consumed within product benchmark sub-installations.

(f) Measurable heat consumed for electricity production within the installation (not eligible for heat benchmark):

As default, it is assumed that the whole amount of heat used for electricity production is split between eligible and non-eligible inputs using the ratio calculated under (e).
 However, if more precise information is available (e.g. because steam from different sources can be distinguished due to different pressure levels, etc), you can enter alternative amounts of "non-eligible" heat below. If that amount exceeds the amount stated in (c).iv, the available maximum is used for further calculation.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat used for electricity production	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii. Amount of heat from non-ETS sources	TJ	0.00	0.00	0.00	0.00	0.00	0.00
iii. Manual override of (ii)	TJ						

(g) Measurable heat consumed for product benchmark sub-installations within the installation (not eligible for heat benchmark):

According to Article 13 of the CIMs a CO2 equivalent for non-ETS heat imports is to be deducted from preliminary allocations for product benchmarks. The data needed for that correction is input in sheet "F_ProductBM", section (d) of each sub-installation.
 Therefore here a plausibility check for that data is included.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat consumed in product benchmark sub-inst:	TJ	0.00	0.00	0.00	0.00	0.00	0.00

Values entered in sheet "F_ProductBM":

ii. Amount of heat from non-ETS sources	TJ						
---	----	--	--	--	--	--	--

Plausibility check:

Please make sure that you check this section again after completing the sheet "F_ProductBM", if applicable, in order to avoid non-plausible inputs.
 The best suggested approach for filling this section is to first make the relevant entries under "F_ProductBM" and only then continue with point (h) below.

Non-ETS heat entered in sheet "F_ProductBM" compared to total amount of heat for all product benchmarks:

iii. Point ii in relation to point i:	%						
---------------------------------------	---	--	--	--	--	--	--

Non-ETS heat entered in sheet "F_ProductBM" compared to total amount of non-ETS heat imports entered above under point (c):

iv. Point iii in relation to point (c) above:	%						
---	---	--	--	--	--	--	--

(h) Heat exported to ETS installations (not eligible for heat benchmark):

This amount of heat is allocated to the consumer of the heat.
 Installation names in the drop down list are taken from Section A.IV. Therefore you must ensure that you have entered complete data there.

Name of installation	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv.	TJ						
v.	TJ						
vi. Total heat exported to ETS installations	TJ	0.00	0.00	0.00	0.00	0.00	0.00

Heat benchmark sub-installations:

(i) Sub-total: remaining total measurable heat, potentially belonging to heat benchmark sub-installations (=d-f-g-h):

i. Sub-total:	TJ	31.50	31.50	32.55	33.00	33.00	33.50
---------------	----	-------	-------	-------	-------	-------	-------

This amount can be split into "eligible" and "non-eligible" heat (according to their origin, see introduction to section II.2).
 Thereafter the factor determined under (e) is corrected taking into account the remainder of eligible and non-eligible heat. This factor is used for point (j).

ii. eligible by origin:	TJ	31.50	31.50	32.55	33.00	33.00	33.50
iii. non-eligible by origin:	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(j) Eligibility ratio for the remaining heat calculated under (i):

corrected eligibility ratio (= (i).ii / (i).i):	%	100.00	100.00	100.00	100.00	100.00	100.00
---	---	--------	--------	--------	--------	--------	--------

(k) Net amount measurable heat consumed in the installation and eligible under heat benchmark:

Heat consumed within the installation	TJ	31.50	31.50	32.55	33.00	33.00	33.50
---------------------------------------	----	-------	-------	-------	-------	-------	-------

(l) Heat exported to installations or entities not covered by the EU ETS (e.g. district heating networks):

Installation names in the drop down list are taken from Section A.IV. Therefore you must ensure that you have entered complete data there.

Name of receiving entity or installation	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv.	TJ						
v.	TJ						
vi. Total heat exported to outside ETS:	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(m) Heat losses (=i-k-l)

This table shows calculated heat losses (i.e. the amount of heat not covered by points f,g,h,k and l) for reasons of completeness of the heat balance.
 If negative values are displayed this means that the heat consumption levels entered above exceed the amount of heat available from production and imports.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat losses (calculated)	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii. Heat losses (fraction of heat available =d)	%	0.00	0.00	0.00	0.00	0.00	0.00

(n) Total amount of heat potentially part of the heat benchmark sub-installations (=k+l):

Total heat benchmark sub-installations:	TJ	31.50	31.50	32.55	33.00	33.00	33.50
---	----	-------	-------	-------	-------	-------	-------

(o) Final result: Amount of heat attributable to heat benchmark sub-installations

*This result is calculated as point (n) multiplied with the corrected eligibility ratio determined under (j).
The maximum allowed value is the eligible amount identified under point (i).i.*

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Heat eligible for heat benchmark sub-installation	TJ	31.50	31.50	32.55	33.00	33.00	33.50

(p) **Sub-installation split - Input method:** Absolute values

*You can choose the method for entering the values in the table below under point (q). Available options are: "Absolute values" (enter TJ/year), or "percentages".
For fast data entries in simple cases, where most entries will be "100%" or zero, percentages are the better choice.*

(q) **Attribution of heat sub-installations to Carbon Leakage exposure levels:**

*Please identify here the amount of measurable heat which is consumed by each sub-installation, where 100% refers to the sum calculated under point (o) above.
Heat benchmark sub-installation "CL" (exposed to a significant risk of Carbon Leakage) and "non-CL" (not exposed to carbon leakage risk).
The data is automatically used again in sheet "G_Fall-back". Therefore data entry is mandatory here, if this tool is used.*

Measurable heat	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat benchmark sub-installation, CL	TJ	31.50	31.50	32.55	33.00	33.00	33.50
ii. Heat benchmark sub-installation, non-CL	TJ	0.00	0.00	0.00	0.00	0.00	0.00
Figures for control:							
iv. Heat benchmark sub-installation, CL	%	100.00	100.00	100.00	100.00	100.00	100.00
v. Heat benchmark sub-installation, non-CL	%	0.00	0.00	0.00	0.00	0.00	0.00

III Electricity

1 Complete balance of electricity at the installation

(a) **Total net amount of electricity produced in the installation**

Other electricity production includes e.g. hydro, wind, solar power, from expansion turbines and other non-ETS processes.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Net electricity produced from fuels	MWh						
ii. Other electricity produced	MWh						

(b) **Total electricity imported from the grid or from other installations**

Electricity imported	MWh						
----------------------	-----	--	--	--	--	--	--

(c) **Total electricity exported to the grid or to other installations**

Electricity exported	MWh						
----------------------	-----	--	--	--	--	--	--

(d) **Total electricity available for use in the installation (= a+b-c)**

Electricity useable	MWh						
---------------------	-----	--	--	--	--	--	--

(e) **Total electricity consumed in the installation**

Electricity consumed in the installation	MWh						
--	-----	--	--	--	--	--	--

(f) **Plausibility check: Sum of electricity input in sheet "F_ProductBM" for exchangeability of electricity**

i. Electricity entered as exchangeable	MWh						
ii. Compare to (e)	%						

(g) **Total net amount of electricity produced in the installation before the start of normal operation**

	Unit	before start
i. Net electricity produced from fuels	MWh	
ii. Other electricity produced	MWh	

(h) **Total electricity imported from the grid or from other installations**

Electricity imported	MWh	
----------------------	-----	--

(i) **Total electricity exported to the grid or to other installations**

Electricity exported	MWh	
----------------------	-----	--

(j) **Total electricity available for use in the installation (= a+b-c)**

Electricity useable	MWh	
---------------------	-----	--

(k) **Total electricity consumed in the installation**

Electricity consumed in the installation	MWh	
--	-----	--

(l) **Plausibility check: Sum of electricity input in sheet "F_ProductBM" for exchangeability of electricity**

i. Electricity entered as exchangeable	MWh	
ii. Compare to (e)	%	

F. Sheet "ProductBM" - SUB-INSTALLATION DATA RELATING TO PRODUCT BENCHMARKS

I Historic Activity levels and disaggregated production details

1 Sub-installation with product benchmark 1:

Determination of the new activity level

[Please continue with the next points below](#)

(a) **Description of the physical change(s)**
 Please enter here a brief description of the physical change(s)

(b) **Activity levels**
 Under this point the "main activity levels" should be reported, i.e. the data which is directly applicable for the calculation of the allocation. Usually this is the production data of the product, e.g. tonnes of grey cement clinker or tonnes of glass bottles, as defined by Annex I of the CIMs. However, if a message appears under point (c), the appropriate calculation tool has to be used, and its results are automatically copied into this table under (iii).

- In case of significant changes the two highest months out of the six month after the start of changed operation are used for further calculations.
- In case this is the first sub-installation of a greenfield plant that started normal operation the two highest months out of the three months after the start of normal operation are used for further calculations.

For this sub-installation the relevant date is the:

e.g. The start of normal operation of a greenfield plant is 15 March. The initial capacity would be based on either:

- the 2 highest 30-day activity levels in the 90 days starting and including 15 March. In this case the activity levels for the three 30 day periods during the 90 days should be entered for month 1,2 and 3 below.
- the 2 highest monthly activity levels in the months April and May.

If this is the first sub-installation of a greenfield, the initial capacity is based on:

e.g. The start of changed operation after a significant capacity change is 15 March. The new capacity would be based on the 2 highest monthly activity levels in the period April to September.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	tonnes						
ii. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) **Special reporting requirements:**

Some product benchmarks require special information to be reported (e.g. CWT values). If relevant, an automatically generated message will appear here.

(d) **Initial installed capacity**
 For significant changes, the value calculated here is taken from entries in sheet A section V. Therefore inputs are mandatory there.
 If this sub-installation is the first sub-installation of a greenfield plant to start normal operation the value calculated here is the average of the two highly monthly activity levels above times 12.

Note:
 Pursuant to Article 17(4) of the CIMs the initial installed capacity has to be determined "...in accordance with the methodology set out in Article 7(3) ...". The reference here is made to the methodology for determining capacity, not to the entire paragraph (including 2005-2008). Therefore, the capacity is determined by the two highest monthly production volumes in the relevant period and not on the basis of experimental verification except for cases of force majeure (when all data have been lost).

tonnes / year

(e) **New installed capacity**
 The value calculated here is the average of the 2 highest monthly activity levels under (b) point iii.
 Note that this value is not relevant and will be left empty in case this sub-installation is the first sub-installation of a greenfield plant to start normal operation.

tonnes / year

(f) **New, added or reduced capacity**
 The value calculated here represents the

- initial installed capacity in case this sub-installation is the first sub-installation of a greenfield plant to start normal operation.
- new capacity in case of new sub-installations which are treated similar to significant capacity extensions with an initial installed capacity of zero. It equals the value given under (e).
- added capacity in case of significant capacity extensions
- reduced capacity in case of significant capacity reductions. This is not the "remaining" capacity.

For significant capacity extensions it will be checked if the capacity is increased by at least 10 %. For reductions it will be checked if the capacity is decreased by at least 10 %.

Further it is checked in section K.IV of the sheet "K_Summary" if the changed preliminary allocation to that sub-installation exceeds 50 000 allowances which represents at least 5% of the amount of allowances calculated irrespective of the physical change.

The quotient of the capacity and the design capacity will be calculated for plausibility checks. In case of extensions this capacity is the added capacity, in case of reductions it is the remaining capacity.

tonnes / year

Crew / Cinitial

C / design C

(g) **Preliminary allocation**
 This section is only mandatory if the 10% criterion under point (e) above has not been fulfilled.
 Please enter here the latest preliminary annual number of emission allowances allocated free of charge for this sub-installation before the change.

(h) **Standard capacity utilisation factor**

This factor is dimensionless and will be displayed automatically.

(i) **Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)**
 The value calculated here is (SCUF under (j)) x (new, added or reduced capacity calculated under (h) above). This can only be calculated if no error messages are displayed under point (h).

tonnes / year

(j) **Exchangeability of fuel and electricity:**

If relevant, an automatically generated message will appear here demanding the input needed for taking into account the exchangeability of fuels and electricity.
 According to Article 14 of the CIMs the following data is needed:

- The direct emissions attributed to this sub-installation;

- Net amount of [measurable] heat imported by this sub-installation from other ETS installations or other entities;
- The RELEVANT electricity consumption of this sub-installation as specified in the definition of processes in Annex I of the CIMs.

In any case the „relevant“ data entered here should:

- in case of a greenfield plant relate to the total initial installed capacity.
- In case of significant capacity extensions or reductions data should relate, to the added or reduced capacity, whatever applicable. If the data can't be clearly attributed to that added or reduced capacity, e.g. if the physical change is a modification of existing equipment, please enter here data related to the total monthly activity level.

In any case the method applied should be consistent for all of the three calculation values (i., ii. and iii.) to which capacity they relate.

For further guidance please consult the Annex to Guidance Document 7 on the calculation of correction factors.

Entries are required for all months that are relevant for capacity determination, i.e. the 90 day period in case this is the first sub-installation of a greenfield plant and six months in case of significant capacity changes.

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						
vi. Factor for allocation correction:	--	N.A.					

Please provide a short description how the "relevant" data for the calculation of the correction factor has been determined.

(k) Heat imported from non-ETS installations or entities:

Pursuant to article 13 of the CIMs, an amount of emissions has to be deducted from the preliminary annual allocation from product-benchmark sub-installations.

That amount is the amount of measurable heat imported from non-ETS installations or entities multiplied with the heat benchmark.

The data must be consistent with the total net measurable heat imported entered under point (j).ii above (electricity exchangeability), if applicable.

The „relevant“ data entered here should:

- in case of a greenfield plant relate to the total initial installed capacity.
- Note that in this case the values have to be consistent with the sub-totals under point E.II.c in sheet "E_Energy flows".
- In case of significant capacity extensions or reductions data should relate to the added or reduced capacity, whatever applicable.
- Please note that this "relevant" heat might be a negative value in some cases.

For further guidance please consult the Annex to Guidance Document 7 on the calculation of correction factors.

Entries are required for all months that are relevant for capacity determination, i.e. the 90 day period in case this is the first sub-installation of a greenfield plant and six months in case of significant capacity changes.

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

Please provide a short description how the "relevant" data for the calculation of the correction factor has been determined.

(l) Amount of pulp placed onto the market:

If relevant, an automatically generated message will appear here demanding the input needed for taking into account the amount of pulp placed onto the market.

According to the second sentence of Article 10(7) only pulp (short fibre kraft pulp, long fibre kraft pulp, thermo-mechanical pulp and mechanical pulp, sulphite pulp) that is placed on the market and not processed into paper in the same or other technically connected installations is to be taken into account for free allocation.

Please enter here the relevant amount of pulp placed on the market and the relevant amount of pulp produced.

The „relevant“ data entered here should:

- in case of a greenfield plant relate to the total initial installed capacity.
- Note that in this case the values have to be consistent with the total production data point (b.i.) above.
- In case of significant capacity extensions or reductions data should relate, to the added or reduced capacity, whatever applicable. If the data can't be clearly attributed to that added or reduced capacity, e.g. if the physical change is a modification of existing equipment, please enter here data related to the total monthly activity level.

In any case the method applied should be consistent for both calculation values (i. and ii.) to which capacity they relate.

For further guidance please consult the Annex to Guidance Document 7 on the calculation of correction factors.

Entries are required for all months that are relevant for capacity determination, i.e. the 90 day period in case this is the first sub-installation of a greenfield plant and six months in case of significant capacity changes.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						
v. Factor for pulp & paper correction	--	N.A.					

Please provide a short description how the "relevant" data for the calculation of the correction factor has been determined.

Production details

(m) Identification of products included in this product benchmark sub-installation

A product benchmark can encompass several similar products (or product groups). In some cases intermediates can be relevant for allocation purposes. The relevant products must be identified here in order to allow the competent authority to check if the boundaries defined for this product benchmark are respected.

PRODCOM / NACE codes shall be entered at least at 4-digit level, with higher disaggregation (i.e. more digits) preferred, in the form "nnnn" or "nnnnnnn", i.e. without any dots or other delimiters inbetween. PRODCOM 2007 (used for determining the carbon leakage list (Decision 2010/2/EU) and thus relevant for the CIMs Annex I) and 2010 are mandatory.

A list of PRODCOM 2007 codes can be found at:

http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=PRD_2007&StrLanguageCode=EN&StrLayoutCode=

A list of PRODCOM 2010 codes can be found at:

http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=PRD_2010&StrLanguageCode=EN&StrLayoutCode=HIERARCHIC

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			

9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

Member States may request to report production levels for the individual products identified under (m) above mandatorily. If this is the case in your Member State, cells below relating to your chosen baseline period will be highlighted in bright yellow (see colour codes in sheet "b_Guidelines & conditions").

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

2 Sub-installation with product benchmark 2:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.1.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	tonnes						
ii. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

	tonnes / year	
--	---------------	--

(e) New installed capacity

	tonnes / year	
--	---------------	--

(f) New, added or reduced capacity

	tonnes / year	
--	---------------	--

Cnew / Cinitial

--	--

C / design C

--	--

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

	tonnes / year	
--	---------------	--

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						

vi. Factor for allocation correction:

	N.A.
--	------

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year						0

(l) Amount of pulp placed onto the market:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						

v. Factor for pulp & paper correction -- **N.A.**

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

3 Sub-installation with product benchmark 3:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.1.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	tonnes						
ii. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						

vi. Factor for allocation correction: -- **N.A.**

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6

i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

(l) Amount of pulp placed onto the market:

Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt					
ii. Relevant amount of pulp produced	Adt					
iii. Ratio (i / ii.)	%					
iv. Consistency check with point (b) (b.i / ii.):	%					
v. Factor for pulp & paper correction	--	N.A.				

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
Sum of production levels							

4 Sub-installation with product benchmark 4:

[Redacted]

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.1.1)

(a) Description of the physical change(s)

[Redacted]

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	tonnes						
ii. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year [Redacted]

(e) New installed capacity

tonnes / year [Redacted]

(f) New, added or reduced capacity

tonnes / year [Redacted]

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

tonnes / year [Redacted]

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						
vi. Factor for allocation correction:	--	N.A.					

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

(l) Amount of pulp placed onto the market:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						
v. Factor for pulp & paper correction	--	N.A.					

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

5 Sub-installation with product benchmark 5:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.1.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. From sheet "H_SpecialBM":	tonnes						
ii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year	
---------------	--

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						

vi. Factor for allocation correction: -- N.A.

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						

iv. Amount for allocation correction: t CO2 / year 0

(l) Amount of pulp placed onto the market:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						

v. Factor for pulp & paper correction -- N.A.

Production details

(m) Identification of products included in this product benchmark sub-installation

Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

(n) Individual production levels of products included in this product benchmark sub-installation

Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
Sum of production levels							

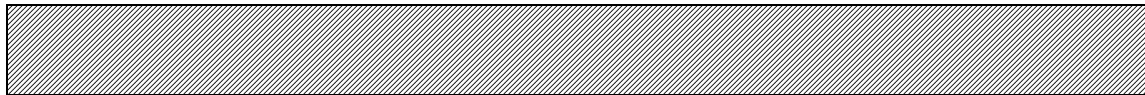
6 Sub-installation with product benchmark 6:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.I.1)

(a) Description of the physical change(s)



(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						
vi. Factor for allocation correction:	--	N.A.					

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

(l) Amount of pulp placed onto the market:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						
v. Factor for pulp & paper correction	--	N.A.					

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								

8									
9									
10									
	Sum of production levels								

7 Sub-installation with product benchmark 7:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. From sheet "H_SpecialBM":	tonnes						
ii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						
vi. Factor for allocation correction:	--	N.A.					

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

(l) Amount of pulp placed onto the market:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						
v. Factor for pulp & paper correction	--	N.A.					

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			

6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

8 Sub-installation with product benchmark 8:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. <input type="text"/>	tonnes						
ii. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						

vi. Factor for allocation correction:

--

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year						<input type="text" value="0"/>

(l) Amount of pulp placed onto the market:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						

v. Factor for pulp & paper correction -- **N.A.**

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

9 Sub-installation with product benchmark 9:

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (F.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	tonnes						
ii. From sheet "H_SpecialBM":	tonnes						
iii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

C_{new} / C_{initial}

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMS Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						

vi. Factor for allocation correction: -- **N.A.**

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (i):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

(l) Amount of pulp placed onto the market:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						
v. Factor for pulp & paper correction	--	N.A.					

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

10 Sub-installation with product benchmark 10:

Determination of the new activity level

[<<< Click here to proceed to next sheet >>>](#)

[Detailed instructions for data entries in this tool can be found at the first copy of this tool. \(F.I.1\)](#)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Main activity level:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. From sheet "H_SpecialBM":	tonnes						
ii. Values used for calculation:	tonnes						

(c) Special reporting requirements:

(d) Initial installed capacity

tonnes / year

(e) New installed capacity

tonnes / year

(f) New, added or reduced capacity

tonnes / year

Cnew / Cinitial

C / design C

(g) Preliminary allocation

(h) Standard capacity utilisation factor

(i) Activity level of the new, added or reduced capacity pursuant to CIMS Article 18(1)

tonnes / year

(j) Exchangeability of fuel and electricity:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant direct emissions	t CO2						
ii. Relevant net imported heat	TJ						
iii. Relevant electricity consumption	MWh						
iv. Total direct emissions	t CO2 / year						
v. Indirect emissions	t CO2 / year						
vi. Factor for allocation correction:	--	N.A.					

(k) Heat imported from non-ETS installations or entities:

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant measurable heat from non-ETS:	TJ						
ii. Consistency check with sheet "E_Energy flows"	%						
iii. Consistency check with point (j):	%						
iv. Amount for allocation correction:	t CO2 / year	0					

(l) Amount of pulp placed onto the market:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Relevant amount of pulp placed on the market	Adt						
ii. Relevant amount of pulp produced	Adt						
iii. Ratio (i / ii.)	%						
iv. Consistency check with point (b) (b.i / ii.):	%						
v. Factor for pulp & paper correction	--	N.A.					

Production details

(m) Identification of products included in this product benchmark sub-installation

	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

(n) Individual production levels of products included in this product benchmark sub-installation

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

G. Sheet "Fall-back" - SUB-INSTALLATION DATA RELATING TO FALL-BACK SUB-INSTALLATIONS

Historic Activity levels and disaggregated production details

1	Fall-Back Sub-installation 1:	Heat benchmark sub-installation, CL	relevant
		significant capacity extension	

Determination of the new activity level relevant
Please enter data in this section!

(a) Description of the physical change(s)

Please enter here a brief description of the physical change(s)

New production line with steam requirement - reference to detailed description of change with supporting materials materials, maps, diagrams and technical sheets and details of the calculations of the measureable heat consumed attached

(b) Activity levels

The following data is taken automatically from sheet "D_Emissions", section D.II.b or sheet "E_EnergyFlows", section E.I.1.c or section E.II.q. Thus, data input is mandatory there.

- In case of significant changes the two highest months (ii.) out of the six month after the start of changed operation (i.) are used for further calculations.
- In case this is the first sub-installation of a greenfield plant that started normal operation the two highest months out of the three months after the start of normal operation are used for further calculations.

For this sub-installation the relevant date is the:

e.g. The start of normal operation is 15 March. The initial capacity would be based on either:

- the 2 highest 30-day activity levels in the 90 days starting and including 15 March. In this case the activity levels for the three 30 day periods during the 90 days should be entered for month 1, 2 and 3 below.
- the 2 highest monthly activity levels in the months April and May.

If this is the first sub-installation of a greenfield, the initial capacity is based on:

Start of changed operation (Article 3(o) of the CIMs)

e.g. The start of changed operation is 15 March. The new capacity would be based on the 2 highest monthly activity levels in the period April to September.

Since the following data is calculated from entries in previous sheets please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered in those previous sections should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat benchmark sub-installation, CL	TJ	31.50	31.50	32.55	33.00	33.00	33.50
ii. Values used for calculation:	TJ				33.00		33.50

(c) Initial installed capacity

For significant changes, the value calculated here is taken from entries in sheet A section V. Therefore inputs are mandatory there.

If this sub-installation is the first sub-installation of a greenfield plant to start normal operation the value calculated here is the average of the two highly monthly activity levels above times 12.

Note:

Pursuant to Article 17(4) of the CIMs the initial installed capacity has to be determined "...in accordance with the methodology set out in Article 7 (3) ...". The reference here is made to the methodology for determining capacity, not to the entire paragraph (including 2005-2008). Therefore, the capacity is determined by the two highest monthly production volumes in the relevant period and not on the basis of experimental verification except for cases of force majeure (when all data have been lost).

Heat benchmark sub-installation, CL TJ / year 300

(d) New installed capacity

The value calculated here is the average of the 2 highest monthly activity levels under point (b).

Note that in case this sub-installation is the first sub-installation of a greenfield plant to start normal operation this value is not applicable and will be left empty.

Heat benchmark sub-installation, CL TJ / year 399

(e) New, added or reduced capacity

The value calculated here represents the

- new capacity in case of new sub-installations which are treated similar to significant capacity extensions with an initial installed capacity of zero. It equals the value given under (e).
- added capacity in case of significant capacity extensions
- reduced capacity in case of significant capacity reductions. This is not the "remaining" capacity.

For significant capacity extensions it will be checked if the capacity is increased by at least 10%. For reductions it will be checked if the capacity is decreased by at least 10%.

Further it is checked in section K.IV of the sheet "K_Summary" if the changed preliminary allocation to that sub-installation exceeds 50 000 allowances which represents at least 5% of the amount of allowances calculated irrespective of the physical change.

The quotient of the capacity and the design capacity will be calculated for plausibility checks. In case of extensions this capacity is the added capacity, in case of reductions it is the remaining capacity.

Heat benchmark sub-installation, CL TJ / year 99

Cnew / Cinitial 1.33

C / design C 0.90

(f) Preliminary allocation

This section is only mandatory if the 10% criterion under point (e) above has not been fulfilled.

Please enter here the preliminary annual number of emission allowances allocated free of charge for this sub-installation before the change.

(g) Relevant capacity utilisation factor:

0.8500

This factor is dimensionless. You can either enter a value between 0 and 1 or between 0% and 100%. In the second case Excel will translate the entry into a number.

The relevant capacity utilization factors (RCUF) will be determined by the CA for each sub-installation for which it is relevant. In order for the CA to be able to determine RCUFs, the operator will submit the following information:

- Typical capacity utilization in the relevant sector concerned.
- RCUF suggested by the operator as a percentage of the initial capacity
- Information on the installation's intended normal operation, maintenance, common production cycle

Please enter here the required information or enter here the reference to the file that contains the required information.

Reference to attached file with details of determination of RCUF with back up documentation and justification.

(h) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

The value calculated here is (RCUF entered under (g)) x (new, added or reduced capacity calculated under (e) above). This can only be calculated if no error messages are displayed under points (e) and (g).

Heat benchmark sub-installation, CL TJ / year 84

Production details

(i) Identification of relevant products or services associated with this sub-installation

Please list here to which production processes or services this sub-installation relates. This may include the following items:

- Production of goods not covered by product benchmarks within the installation (please provide types of product);
- production of mechanical energy, heating or cooling (all uses excluding production of electricity);
- export of heat to installations or other entities (e.g. heat networks). In this case please indicate the use of heat in that installation or entity, if known.
Options are: "District heating", "unknown", or a specification of the production process. Products with benchmarks are also possible.

Note that in case of exported heat only those types of heat use which are not carried out within an ETS installations are to be reported here.

PRODCOM / NACE codes shall be entered at least 4-digit level, with higher disaggregation (i.e. more digits) preferred, in the form "nnnn" or "nnnnnnn", i.e. without any dots or other delimiters inbetween. PRODCOM 2007 (used for determining the carbon leakage list (Decision 2010/2/EU) and thus relevant for the CIMs Annex I) is mandatory, while PRODCOM 2010 codes are optional.

A list of PRODCOM 2007 codes can be found at:

http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=PRD_2007&StrLanguageCode=EN&StrLayoutCode=

A list of PRODCOM 2010 codes can be found at:

http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=PRD_2010&StrLanguageCode=EN&StrLayoutCode=HIERARCHIC

NACE codes can be used instead of PRODCOM if several similar products within the same NACE group are covered.

If the heat is exported, the connected installation or entity as input in sheet A_InstallationData section VI can be selected.

Member States may decide to require this information mandatorily.

	Use type	Within installation or export?	Product name, or "district heating"	PRODCOM 2007	PRODCOM 2010
1	Production of goods	Within installation	Product 1	nnnnnnnn	nnnnnnnn
2					
3					
4					
5					
6					
7					
8					
9					
10					

(j) Disaggregation of production levels, if relevant:

Member States may request to report production levels for the individual products identified under (i) above mandatorily. If this is the case in your Member State, cells below relating to your chosen baseline period will be highlighted in bright yellow (see colour codes in sheet "b_Guidelines & conditions").

	Product name, or "district heating"	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1	Product 1							
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

2 Fall-Back Sub-installation 2:

Heat benchmark sub-installation, non-CL

not relevant

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (G.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat benchmark sub-installation, non-CL	TJ						
ii. Values used for calculation:	TJ						

(c) Initial installed capacity

Heat benchmark sub-installation, non-CL TJ / year

(d) New installed capacity

Heat benchmark sub-installation, non-CL TJ / year

(e) New, added or reduced capacity

Heat benchmark sub-installation, non-CL TJ / year

C_{new} / C_{initial}

C / design C

(f) Preliminary allocation

(g) Relevant capacity utilisation factor:

(h) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

Heat benchmark sub-installation, non-CL TJ / year

Production details

(i) Identification of relevant products or services associated with this sub-installation

	Use type	Within installation or export?	Product name, or "district heating"	PRODCOM 2007	PRODCOM 2010
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

(j) Disaggregation of production levels, if relevant:

	Product name, or "district heating"	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

3 Fall-Back Sub-installation 3:

Fuel benchmark sub-installation, CL	not relevant
-------------------------------------	--------------

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (G.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Fuel benchmark sub-installation, CL	TJ						
ii. Values used for calculation:	TJ						

(c) Initial installed capacity

Fuel benchmark sub-installation, CL TJ / year

(d) New installed capacity

Fuel benchmark sub-installation, CL TJ / year

(e) New, added or reduced capacity

Fuel benchmark sub-installation, CL TJ / year

C_{new} / C_{initial}

C / design C

(f) Preliminary allocation

(g) Relevant capacity utilisation factor:

(h) Activity level of the new, added or reduced capacity pursuant to CIMS Article 18(1)

Fuel benchmark sub-installation, CL TJ / year

Production details

(i) Identification of relevant products or services associated with this sub-installation

	Use type	Within installation or export?	Product name, or "district heating"	PRODCOM 2007	PRODCOM 2010
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

(j) Disaggregation of production levels, if relevant:

	Product name, or "district heating"	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

4 Fall-Back Sub-installation 4:

Fuel benchmark sub-installation, non-CL not relevant

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (G.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i	Fuel benchmark sub-installation, non-CL TJ						
ii	Values used for calculation: TJ						

(c) Initial installed capacity

Fuel benchmark sub-installation, non-CL TJ / year

(d) New installed capacity

Fuel benchmark sub-installation, non-CL TJ / year

(e) New, added or reduced capacity

Fuel benchmark sub-installation, non-CL TJ / year

C^{new} / C^{initial}

C / design C

(f) Preliminary allocation

(g) Relevant capacity utilisation factor:

(h) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

Fuel benchmark sub-installation, non-CL TJ / year

Production details

(i) Identification of relevant products or services associated with this sub-installation

	Use type	Within installation or export?	Product name, or "district heating"	PRODCOM 2007	PRODCOM 2010
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

(j) Disaggregation of production levels, if relevant:

	Product name, or "district heating"	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

5 Fall-Back Sub-installation 5:

Process emissions sub-installation, CL not relevant

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (G.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Process emissions sub-installation, CL	t CO2e						
ii. Values used for calculation:	t CO2e						

(c) Initial installed capacity

Process emissions sub-installation, CL t CO2e / year

(d) New installed capacity

Process emissions sub-installation, CL t CO2e / year

(e) New, added or reduced capacity

Process emissions sub-installation, CL t CO2e / year

C_{new} / C_{initial}

C / design C

(f) Preliminary allocation

(g) Relevant capacity utilisation factor:

(h) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)

Process emissions sub-installation, CL t CO2e / year

Production details

(i) Identification of relevant products or services associated with this sub-installation

	Use type	Within installation or export?	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

(j) Disaggregation of production levels, if relevant:

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

6 Fall-Back Sub-installation 6:

Process emissions sub-installation, non-CL

not relevant

Determination of the new activity level

Please continue with the next points below

Detailed instructions for data entries in this tool can be found at the first copy of this tool. (G.I.1)

(a) Description of the physical change(s)

(b) Activity levels

For this sub-installation the relevant date is the:

If this is the first sub-installation of a greenfield, the initial capacity is based on:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Process emissions sub-installation, non-CL	t CO2e						

ii. Values used for calculation: t CO2e

(c) Initial installed capacity
Process emissions sub-installation, non-CL t CO2e / year

(d) New installed capacity
Process emissions sub-installation, non-CL t CO2e / year

(e) New, added or reduced capacity
Process emissions sub-installation, non-CL t CO2e / year
Cnew / Cinitial
C / design C

(f) Preliminary allocation

(g) Relevant capacity utilisation factor:

(h) Activity level of the new, added or reduced capacity pursuant to CIMs Article 18(1)
Process emissions sub-installation, non-CL t CO2e / year

Production details

(i) Identification of relevant products or services associated with this sub-installation

	Use type	Within installation or export?	Name of product or group of products	PRODCOM 2007	PRODCOM 2010
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

(j) Disaggregation of production levels, if relevant:

	Name of product or group of products	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	Sum of production levels							

H. Sheet "SpecialBM" - SPECIAL DATA FOR SOME PRODUCT BENCHMARKS

I CWT (Refinery products)

Tool for calculating the historical activity levels for refinery sub-installations

*This tool helps you determine the HAL (historical activity levels) for the refinery benchmark (Annex III point 1 of the CIMs).
For the aromatics benchmark, which also uses CWT, please use the specific CWT tool for aromatics below (section V of this sheet).
The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.*

(a) Relevance of this tool in your installation:

not relevant

This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

(b) CWT throughput data

*Please enter here the annual throughput data for each CWT function.
For the definition and boundaries of each CWT function please see Annex II point 1 of the CIMs.
For the basis the following abbreviations are used:
F Net fresh feed
R Reactor feed (includes recycle)
P Product feed
SG Synthesis gas production for POX units*

Important note: In accordance with Annex II of the CIMs, the units for reporting are kilotonnes throughput.

CWT function	Basis (kt)	CWT factor	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Atmospheric Crude Distillation	F	1.00						
Vacuum Distillation	F	0.85						
Solvent Deasphalting	F	2.45						
Visbreaking	F	1.40						
Thermal Cracking	F	2.70						
Delayed Coking	F	2.20						
Fluid Coking	F	7.60						
Flexicoking	F	16.60						
Coke Calcining	P	12.75						
Fluid Catalytic Cracking	F	5.50						
Other Catalytic Cracking	F	4.10						
Distillate / Gasoil	F	2.85						
Hydrocracking								
Residual Hydrocracking	F	3.75						
Naphtha/Gasoline	F	1.10						
Hydrotreating								
Kerosene/ Diesel	F	0.90						
Hydrotreating								
Residual Hydrotreating	F	1.55						
VGO Hydrotreating	F	0.90						
Hydrogen Production	P	300.00						
Catalytic Reforming	F	4.95						
Alkylation	P	7.25						
C4 Isomerisation	R	3.25						
C5/C6 Isomerisation	R	2.85						
Oxygenate Production	P	5.60						
Propylene Production	F	3.45						
Asphalt Manufacture	P	2.10						
Polymer-Modified Asphalt	P	0.55						
Blending								
Sulphur Recovery	P	18.60						
Aromatic Solvent Extraction	F	5.25						
Hydrodealkylation	F	2.45						
TDP/ TDA	F	1.85						
Cyclohexane production	P	3.00						
Xylene Isomerisation	F	1.85						
Paraxylene production	P	6.40						
Metaxylene production	P	11.10						
Phtalic anhydride production	P	14.40						
Maleic anhydride production	P	20.80						
Ethylbenzene production	P	1.55						
Cumene production	P	5.00						
Phenol production	P	1.15						
Lube solvent extraction	F	2.10						
Lube solvent dewaxing	F	4.55						
Catalytic Wax Isomerisation	F	1.60						
Lube Hydrocracker	F	2.50						
Wax Deoiling	P	12.00						
Lube/Wax Hydrotreating	F	1.15						
Solvent Hydrotreating	F	1.25						
Solvent Fractionation	F	0.90						
Mol sieve for C10+ paraffins	P	1.85						
Partial Oxidation of Residual	SG	8.20						
Feeds (POX) for Fuel								
Partial Oxidation of Residual	SG	44.00						
Feeds (POX) for Hydrogen or Methanol								
Methanol from syngas	P	-36.20						
Air Separation	P (MNm3 O2)	8.80						
Fractionation of purchased	F	1.00						
NGL								
Flue gas treatment	F (MNm3)	0.10						
Treatment and Compression	kW	0.15						
of Fuel Gas for Sales								
Seawater Desalination	P	1.15						

(c) Result: Activity levels for the refinery benchmark expressed as CWT

Here the refinery activity level is calculated using the formula given in the CIMs, Annex III point 1 (before determining the median value).

Important note: The reporting above is done in tonnes, but the benchmark is expressed in t CO2/CWT, where CWT is expressed in tonnes.

Therefore the results below are multiplied with a factor of 1000, which is not explicitly mentioned in Annex III point 1 of the CIMs.

The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.

Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Refinery activity level	CWT						

II Lime

Tool for calculating the historical activity levels for lime sub-installations

This tool helps you determine the HAL (historical activity levels) for the lime benchmark (Annex III point 2 of the CIMs)

The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.

(a) Relevance of this tool in your installation:

not relevant

This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

(b) Uncorrected Lime production:

Please enter here the annual production data expressed as tonnes of lime, without correction for the composition data:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
uncorrected lime production	t						

(c) Composition data:

Pursuant to Annex III point 2 of the CIMs, the following data is required:

m(CaO) content of free CaO in the produced lime in each year of the baseline period expressed as mass-%

In case no data on the content of free CaO is available, a conservative estimate not lower than 85% shall be applied.

m(MgO) content of free MgO in the produced lime in each year of the baseline period expressed as mass-%

In case no data on the content of free MgO is available, a conservative estimate not lower than 0.5% shall be applied.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Content of CaO	%						
Content of MgO	%						

(d) Result: Activity levels for lime expressed as standard pure lime

Here the corrected lime activity level is calculated using the formula given in the CIMs, Annex III point 2 (before determining the median value).

The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.

Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
production of standard pure lime	t						

III Dolime

Tool for calculating the historical activity levels for Dolime sub-installations

This tool helps you determine the HAL (historical activity levels) for the Dolime benchmark (Annex III point 3 of the CIMs). It is not to be used for "sintered dolime".

The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.

(a) Relevance of this tool in your installation:

not relevant

This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

(b) Uncorrected Dolime production:

Please enter here the annual production data expressed as tonnes of dolime, without correction for the composition data:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
uncorrected dolime production	t						

(c) Composition data:

Pursuant to Annex III point 3 of the CIMs, the following data is required:

m(CaO) content of free CaO in the produced dolime in each year of the baseline period expressed as mass-%

In case no data on the content of free CaO is available, a conservative estimate not lower than 52% shall be applied.

m(MgO) content of free MgO in the produced dolime in each year of the baseline period expressed as mass-%

In case no data on the content of free MgO is available, a conservative estimate not lower than 33% shall be applied.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Content of CaO	%						
Content of MgO	%						

(d) Result: Activity levels for dolime expressed as standard pure dolime

Here the corrected dolime activity level is calculated using the formula given in the CIMs, Annex III point 3 (before determining the median value).

The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.

Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
production of standard pure dolime	t						

IV Steam cracking

1 Tool for calculating the historical activity levels for steam cracking sub-installations

This tool helps you determine the HAL (historical activity levels) for the steam cracking benchmark (Annex III point 4 of the CIMs).

The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.

(a) Relevance of this tool in your installation:

not relevant

This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

(b) Total production of high value chemicals (HVC total)

Please enter here the annual production data expressed as tonnes HVC (without corrections)

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
HVC total	t						

(c) Supplemental feed data:

Pursuant to Annex III point 4 of the CIMs, the following data is required:

- historical supplemental feed of hydrogen in each year of the baseline period expressed in tonnes of hydrogen
- historical supplemental feed of ethylene in each year of the baseline period expressed in tonnes of ethylene
- historical supplemental feed of other high value chemicals than hydrogen and ethylene in each year of the baseline period expressed in tonnes of HVC

Supplemental feed	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Hydrogen	t						
Ethylene	t						
Other HVC	t						

(d) Result: Activity levels for net HVC

Here the corrected activity level (net amount HVC) is calculated using the formula given in the CIMs, Annex III point 4 (before determining the median value).

The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.

Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Net HVC production levels	t						

2 Steam cracking tool part 2: Preliminary allocation (Article 11 of the CIMs)

This tool helps you determine the preliminary allocation for the steam cracking sub-installation (Article 11 of the CIMs).

It determines the amount which has to be added to the preliminary annual allocation after having corrected for electricity exchangeability.

(a) Production from supplemental feed:

The "relevant" data entered here should:

- in case of a greenfield plant relate to the total initial installed capacity.
 - Note that in this case the values entered here shall be the same as under IV.1.c above.
 - in case of significant capacity extensions or reductions data should relate to the added or reduced capacity, whatever applicable.
- Please note that this "relevant" feed might be a negative value in some cases.

For further guidance please consult the Annex to Guidance Document 7 on the calculation of correction factors.

Entries are required for all months that are relevant for capacity determination, i.e. the 90 day period in case this is the first sub-installation of a greenfield plant and six months in case of significant capacity changes.

Production from supplemental feed	Multiplier (t CO ₂ / t)	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Relevant hydrogen	1.78	t						
Relevant ethylene	0.24	t						
Relevant other HVC	0.16	t						

(b) Result: Amount to be added to the preliminary total allocation for the steam cracking sub-installation:

Calculation based on the formula given in the CIMs, Article 11.

Amount for allocation correction: allowances **N.A.**

Please provide a short description how the "relevant" data for the calculation of the correction factor has been determined.

V CWT (Aromatics)

Tool for calculating the historical activity levels for aromatics sub-installations

This tool helps you determine the HAL (historical activity levels) for the aromatics benchmark (Annex III point 5 of the CIMs)

For the refinery benchmark, which also uses CWT, please use the specific CWT tool for refineries above (section I of this sheet).

The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.

(a) Relevance of this tool in your installation:

not relevant

This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

(b) CWT throughput data

Please enter here the annual throughput data for each CWT function.

For the definition and boundaries of each CWT function please see Annex II point 2 of the CIMs.

For the basis the following abbreviations are used:

F Net fresh feed

P Product feed

Important note: In accordance with Annex II of the CIMs, the units for reporting are kilotonnes throughput.

CWT function	Basis (kt)	CWT factor	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Naphtha/Gasoline	F	1.10						
Hydrotreater								
Aromatic Solvent Extraction	F	5.25						
TDP/ TDA	F	1.85						
Hydrodealkylation	F	2.45						
Xylene Isomerisation	F	1.85						
Paraxylene production	P	6.40						
Cyclohexane production	P	3.00						
Cumene production	P	5.00						

(c) Result: Activity levels for the aromatics benchmark expressed as CWT

Here the aromatics activity level is calculated using the formula given in the CIMs, Annex III point 5 (before determining the median value).

Important note: The reporting is done in ktonnes, but the benchmark is expressed in t CO₂/CWT, where CWT is expressed in tonnes.

Therefore the results below are multiplied with a factor of 1000, which is not explicitly mentioned in Annex III point 5 of the CIMs.

The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.

Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Aromatics activity level	CWT						

VI Hydrogen

Tool for calculating the historical activity levels for hydrogen sub-installations

This tool helps you determine the HAL (historical activity levels) for the hydrogen benchmark (Annex III point 6 of the CIMs).
 The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.
 Please note that percentages for Hydrogen content are to be expressed as Vol-%.

- (a) **Relevance of this tool in your installation:** not relevant
 This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

- (b) **Volume of total production of hydrogen (uncorrected)**
 Please enter here the annual production data of hydrogen referred to historical hydrogen content in each year of the baseline period.
 Due to the very big figures for m3, the figures are to be entered as 1000 Nm3 (norm cubic meters referring to 0°C and 101.325 kPa).
- | | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|
| Total hydrogen production | 1000Nm3 | | | | | | |

- (c) **Hydrogen volume fraction VF(H2)**
 Please enter here the historical production volume fraction of pure hydrogen in each year of the baseline period. This is a dimensionless figure.
 You can enter the figure of 95% either as "0.95" or as "95%".
- | | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|-----------------------------|------|---------|---------|---------|---------|---------|---------|
| Volume fraction of hydrogen | - | | | | | | |

- (d) **Result: Activity levels for hydrogen referred to as tonnes 100% H2**
 Here the corrected activity level (100% hydrogen) is calculated using the formula given in the CIMs, Annex III point 6 (before determining the median value).
 If the formula results in a negative value, it is replaced by zero.
 The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.
 Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.
 The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.
 You are only required to enter the 2 highest monthly total activity levels.
- | | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|----------------------------|------|---------|---------|---------|---------|---------|---------|
| Hydrogen (as 100% pure H2) | t | | | | | | |

VII Synthesis gas

Tool for calculating the historical activity levels for synthesis gas sub-installations

This tool helps you determine the HAL (historical activity levels) for the synthesis gas benchmark (Annex III point 7 of the CIMs).
 The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.
 Please note that percentages for hydrogen content are to be expressed as Vol-%.

- (a) **Relevance of this tool in your installation:** not relevant
 This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

- (b) **Volume of total production of synthesis gas (uncorrected)**
 Please enter here the annual production data of synthesis gas referred to historical hydrogen content in each year of the baseline period.
 Due to the very big figures for m3, the figures are to be entered as 1000 Nm3 (norm cubic meters referring to 0°C and 101.325 kPa).
- | | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Total synthesis gas production | 1000Nm3 | | | | | | |

- (c) **Hydrogen volume fraction VF(H2)**
 Please enter here the historical production volume fraction of pure hydrogen in each year of the baseline period. This is a dimensionless figure.
 You can enter the figure of 50% either as "0.50" or as "50%".
- | | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|-----------------------------|------|---------|---------|---------|---------|---------|---------|
| Volume fraction of hydrogen | - | | | | | | |

- (d) **Result: Activity levels for synthesis gas referred to as tonnes with 47% hydrogen content**
 Here the corrected activity level (referring to 47% H2) is calculated using the formula given in the CIMs, Annex III point 7 (before determining the median value).
 If the formula results in a negative value, it is replaced by zero.
 The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.
 Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.
 The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.
 You are only required to enter the 2 highest monthly total activity levels.
- | | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|--------------------------------|------|---------|---------|---------|---------|---------|---------|
| Synthesis gas (47% H2 content) | t | | | | | | |

VIII Ethylene oxide / glycols

Tool for calculating the historical activity levels for ethylene oxide / ethylene glycols sub-installations

This tool helps you determine the HAL (historical activity levels) for the ethylene oxide / ethylene glycols benchmark (Annex III point 8 of the CIMs).
 The result of this tool is automatically copied into sheet "F_ProductBM", input line "(b).ii" of the appropriate sub-installation.

- (a) **Relevance of this tool in your installation:** not relevant
 This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

- (b) **Production data of Ethylene oxide and glycols:**
 Please enter here the annual production data of the different products covered by this benchmark in each year of the baseline period.
 The table also displays the values of CF(EOE) used for calculation. CF(EOE) is the conversion factor for each substance relative to ethylene oxide.
- | | CF(EOE) | Unit | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 |
|---------------------|---------|------|---------|---------|---------|---------|---------|---------|
| Ethylene oxide | 1.000 | t | | | | | | |
| Monoethylene glycol | 0.710 | t | | | | | | |
| Diethylene glycol | 0.830 | t | | | | | | |
| Triethylene glycol | 0.880 | t | | | | | | |
| Sum of products | | t | | | | | | |

- (c) **Result: Activity levels for the ethylene oxide / ethylene glycols product benchmark sub-installation:**
 The historical activity level expressed in tonnes of ethylene oxide equivalents is calculated using the formula given in the CIMs, Annex III point 8.
 The result of this tool is used in sheet "F_ProductBM", input line (b).ii of the appropriate sub-installation, from which the median is calculated.
 Since the following data is calculated from entries above please make sure entries made there are correct. In case this is the first sub-installation of a greenfield, data entered above should be consistent with the period chosen above, i.e. three 30 day periods or 2 calendar months.

The data for the initial capacity, in case of greenfields, or for the new capacity in case of significant changes shall be determined also taking into account the non-operating days for consistency reasons.

You are only required to enter the 2 highest monthly total activity levels.

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Total Ethylene oxide equivalents	t						

IX Vinyl chloride monomer (VCM)

Vinyl chloride monomer tool: Preliminary allocation (Article 12 of the CIMs)

This tool helps you determine the preliminary allocation for the vinyl chloride monomer ("VCM") sub-installation (Article 12 of the CIMs).

The following data is required:

- The activity levels as input in sheet "ProductBM", section (a), under the appropriate sub-installation;
- The direct emissions attributed to this sub-installation;
- Net amount of measurable heat imported by this sub-installation from other ETS installations;
- Hydrogen related emissions: I.e. historical heat consumption from hydrogen combustion multiplied with 56.1 t CO2/TJ.

The „relevant“ data entered here should:

- in case of a greenfield plant relate to the total initial installed capacity.
- In case of significant capacity extensions or reductions data should relate, to the added or reduced capacity, whatever applicable. If the data can't be clearly attributed to that added or reduced capacity, e.g. if the physical change is a modification of existing equipment, please enter here data related to the total monthly activity level.

In any case the method applied should be consistent for all of the three calculation values to which capacity they relate.

For further guidance please consult the Annex to Guidance Document 7 on the calculation of correction factors.

Entries are required for all months that are relevant for capacity determination, i.e. the 90 day period in case this is the first sub-installation of a greenfield plant and six months in case of significant capacity changes.

(a) Relevance of this tool in your installation:

not relevant

This message is automatically generated based if significant changes of this sub-installation are relevant or if the installation is a greenfield.

(b) Emission related data:

Please enter here the data required as outlined above.

Parameter	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Relevant direct emissions	t CO2						
Relevant net measurable heat imported	TJ						
Relevant heat from H2 combustion	TJ						
Total direct emissions	t CO2						
Hydrogen related emissions	t CO2						

Factor for allocation correction: -- N.A.

Please provide a short description how the "relevant" data for the calculation of the correction factor has been determined.

I. Sheet "MSspecific" - ADDITIONAL DATA REQUIREMENTS BY THE MEMBER STATE

I To be defined by the Member State

J. Sheet "Comments" - COMMENTS AND FURTHER INFORMATION

I Documents supporting this report

Please list here all relevant documents which are submitted together with this report

Additional documents will be needed to support this report. Please provide this information in an electronic format wherever possible.

You can provide information as Microsoft Word, Excel, or Adobe Acrobat formats.

If needed, check with your competent authority if other file formats than the ones mentioned above are acceptable.

Additional documentation provided should be clearly referenced, and the file name / reference number provided below.

You are advised to avoid supplying non-relevant information as it can slow down the approval of this report.

Please provide file name(s) (if in an electronic format) or document reference number(s) (if hard copy) below:

File name/Reference	Document description
File 1 Company A	Documentation Related to Design Capacity of new production line referenced in Sheet C and details of calculation of daily activity levels
File 2 Company A	Detailed description of change with supporting materials materials, maps, diagrams and technical sheets as referenced in Sheet G and details of the calculations of the measureable heat consumed
File 3 Company A	RCUF Calculation and supporting documentation as referenced in Sheet G (g)

II Free space for all kinds of supplemental information

In space below you can enter all information which was not suitable for input in other sheets and which you consider important for the competent authority

K. Sheet "Summary" - OVERVIEW OF MOST IMPORTANT DATA

I Installation data

1 General information:

Installation Identifier:	IE-existing-IE1000-GHG1000	Member State:	Ireland
Name of the installation:	Company A		
Operator Name:	Company A		
Verifier (company):			
Included in ETS before:	TRUE		
Incumbent:	TRUE		
Greenfield plant:	FALSE	Operated occasionally:	FALSE
Starting date:	FALSE		
NACE code in 2007 (NACE rev 1.1):	nnnn	EPTR ID:	
NACE code in 2010 (NACE rev 2):	nnnn		

Activities according to Annex I of the EU ETS Directive:

- Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous waste)
-
-
-
-

2 Type of applications (section A.II.1):

- Significant capacity extensions (Article 20 of the CIMs) and/or reductions (Article 21 of the CIMs)
-

3 Technical connections (section A.VI):

Connection Name	CITL identifier, if applicable	Entity Type
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

II Eligibility and Cessation

1 Eligibility for free allocation (section A.II.1):

Electricity generator:	FALSE	CCS Installation:	FALSE
Installation covered by Art. 10a(3) of the ETS Directive:	FALSE	Installation produces Heat:	TRUE

The operator of this installation confirms that an application for a change of the amount of free allocation under Article 10a of the EU ETS Directive has been submitted to the competent authority and the European Commission.

The operator of this installation confirms that this report may be used by the competent authority and the European Commission.

Installation is eligible for free allocation under Article 10a of the EU ETS Directive: **TRUE**

Note: The eligibility is automatically set to "true" only if:

- The installation is neither electricity generator nor CCS installation; or
- The installation is either electricity generator or CCS installation, AND produces heat and
- The operator has confirmed that he applies for allocation of allowances free of charge (Section A.II.1.f) and
- The operator has confirmed that the competent authority and the European Commission may use the data contained in this report (Section A.II.1.g).

Only if this eligibility is displayed as "true", preliminary allocation values are displayed below in section V.

2 Cessation of operations

Ceased operations:	FALSE	Year of cessation:	
Reason for cessation:			
Permit which has expired or been withdrawn:			

III Emissions and Energy Flows

1 Data resulting from input under "Source streams" (Sheets B and C) or from Emissions summary (section D.I)

Installation level data:	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Total CO2 emissions	t CO2	1,790	1,800	1,860	1,880	1,880	1,890
Memo-Item: Biomass emissions	t CO2						
Total N2O emissions	t CO2e						
Total PFC emissions	t CO2e						
Total direct emission of the Installation	t CO2e	1,790	1,800	1,860	1,880	1,880	1,890
Total energy input from fuels	TJ	45.00	45.00	46.50	47.00	47.00	48.00

Installation level data:	Unit	before start
Total CO2 emissions	t CO2	
Memo-Item: Biomass emissions	t CO2	
Total N2O emissions	t CO2e	
Total PFC emissions	t CO2e	
Total direct emission of the Installation	t CO2e	
Total energy input from fuels	TJ	

2 Attribution of emissions to sub-installations (section D.II)

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Emissions related to electricity production	t CO2e	0	0	0	0	0	0
Emissions related to product benchmarks	t CO2e	0	0	0	0	0	0
Emissions related to heat benchmark sub-installations	t CO2e	1,790	1,800	1,860	1,880	1,880	1,890
Emissions related to fuel benchmark sub-installations	t CO2e	0					
Process emissions sub-installation, CL	t CO2e	0					
Process emissions sub-installation, non-CL	t CO2e	0					

	Unit	before start
Emissions related to electricity production	t CO2e	
Emissions related to product benchmarks	t CO2e	
Emissions related to heat benchmark sub-installations	t CO2e	
Emissions related to fuel benchmark sub-installations	t CO2e	
Process emissions sub-installation, CL	t CO2e	
Process emissions sub-installation, non-CL	t CO2e	

3 Waste gas calculation (waste gases not covered by product benchmarks) - Section D.III

(a) This section relates to the process emissions sub-installation of this type: not relevant

Type of waste gas: not relevant

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Estimated waste gas emissions	t CO2e						
Amount of waste gas per year	0						
Net calorific value	GJ / Unit						
Deduction for waste gases	t CO2						

Assumed efficiency for electricity production: using natural gas: 52.50% using waste gas: 35.00%

(b) This section relates to the process emissions sub-installation of this type: not relevant

Type of waste gas: not relevant

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Estimated waste gas emissions	t CO2e						
Amount of waste gas per year	0						
Net calorific value	GJ / Unit						
Deduction for waste gases	t CO2						

Assumed efficiency for electricity production: using natural gas: 52.50% using waste gas: 35.00%

4 Energy input from fuels - split into use categories (Section E.I)

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Fuel input to electricity production	TJ						
Fuel input for production of measurable heat	TJ	45.00	45.00	46.50	47.00	47.00	48.00
Fuel input as part of product benchmarks	TJ						
Fuel benchmark sub-installation, CL	TJ						
Fuel benchmark sub-installation, non-CL	TJ						

	Unit	before start
Fuel input to electricity production	TJ	
Fuel input for production of measurable heat	TJ	
Fuel input as part of product benchmarks	TJ	
Fuel benchmark sub-installation, CL	TJ	
Fuel benchmark sub-installation, non-CL	TJ	

5 Calculation of measurable heat (Section E.II)

(a) Total net amount of measurable heat produced in the installation:

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Measurable heat produced	TJ	31.50	31.50	32.55	33.00	33.00	33.50

(b) Measurable heat imported from installations covered by the EU ETS:

Name of installation	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv. Sub-total	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(c) Measurable heat imported from installations and entities not covered by the EU ETS (not eligible for heat benchmark):

i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv. Sub-total	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(d) Sum of measurable heat available at installation (=a+b+c)

Total measurable heat	TJ	31.50	31.50	32.55	33.00	33.00	33.50
-----------------------	----	-------	-------	-------	-------	-------	-------

(e) Ratio of "ETS heat" to "Total heat"

Heat input ratio (a+b) / (a+b+c):	%	100.00	100.00	100.00	100.00	100.00	100.00
-----------------------------------	---	--------	--------	--------	--------	--------	--------

(f) Measurable heat consumed for electricity production within the installation (not eligible for heat benchmark):

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat used for electricity production	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii. Amount of heat from non-ETS sources	TJ	0.00	0.00	0.00	0.00	0.00	0.00
iii. Manual override of (ii)	TJ						

(g) Measurable heat consumed for product benchmark sub-installations within the installation (not eligible for heat benchmark):

i. Heat consumed in product benchmark sub-inst:	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii. Values entered in sheet "F_ProductBM" as from	TJ						

(h) Heat exported to ETS installations (not eligible for heat benchmark):

i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv.	TJ						
v.	TJ						
vi.	Total heat exported to ETS installations	TJ	0.00	0.00	0.00	0.00	0.00

(i) Sub-total: remaining total measurable heat, potentially belonging to heat benchmark sub-installations (=d-f-g-h):

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	
i.	Sub-total:	TJ	31.50	31.50	32.55	33.00	33.00	33.50
ii.	eligible by origin:	TJ	31.50	31.50	32.55	33.00	33.00	33.50
iii.	non-eligible by origin:	TJ	0.00	0.00	0.00	0.00	0.00	0.00

(j) corrected eligibility ratio (= (i).ii / (i).i):

	%	100.00	100.00	100.00	100.00	100.00	100.00
--	---	--------	--------	--------	--------	--------	--------

(k) Net amount measurable heat consumed in the installation and eligible under heat benchmark:

Heat consumed within the installation	TJ	31.50	31.50	32.55	33.00	33.00	33.50
---------------------------------------	----	-------	-------	-------	-------	-------	-------

(l) Heat exported to installations or entities not covered by the EU ETS (e.g. district heating networks):

i.	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	TJ						
iii.	TJ						
iv.	TJ						
v.	TJ						
vi.	Total heat exported to outside ETS:	TJ	0.00	0.00	0.00	0.00	0.00

(m) Heat losses (=i-k-l)

i.	Heat losses (calculated)	TJ	0.00	0.00	0.00	0.00	0.00	0.00
ii.	Heat losses (fraction of heat available =d)	%	0.00	0.00	0.00	0.00	0.00	0.00

(n) Total amount of heat potentially part of the heat benchmark sub-installations (=k+l):

Total heat benchmark sub-installations:	TJ	31.50	31.50	32.55	33.00	33.00	33.50
---	----	-------	-------	-------	-------	-------	-------

(o) Final result: Amount of heat attributable to heat benchmark sub-installations

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Heat eligible for heat benchmark sub-installations	TJ	31.50	31.50	32.55	33.00	33.00	33.50

(p) Attribution of heat sub-installations to Carbon Leakage exposure levels:

Measurable heat	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
i. Heat benchmark sub-installation, CL	TJ	31.50	31.50	32.55	33.00	33.00	33.50
ii. Heat benchmark sub-installation, non-CL	TJ	0.00	0.00	0.00	0.00	0.00	0.00

6 Electricity data

	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Net electricity produced from fuels	MWh						
Other electricity produced	MWh						
Electricity imported	MWh						
Electricity exported	MWh						
Electricity useable	MWh						
Electricity consumed in the installation	MWh						
Electricity entered as exchangeable	MWh						

	Unit	before start
Net electricity produced from fuels	MWh	
Other electricity produced	MWh	
Electricity imported	MWh	
Electricity exported	MWh	
Electricity useable	MWh	
Electricity consumed in the installation	MWh	
Electricity entered as exchangeable	MWh	

7 Allocation to emissions before the start of normal operation

Greenfield plant?	<input type="checkbox"/> FALSE	First sub-installation	
Unit			
i. total emissions	t CO2e		
ii. emissions related to electricity production	t CO2e		
iii. result: eligible emissions (= i. - ii.)	t CO2e		

IV Sub-installation data relevant for allocation purposes

Here only data which is relevant for the calculation is displayed. Only baseline years selected are filled with values. If Art 9(6) is relevant, no activity data in baseline years are shown. If no significant changes have been reported, no data on this is shown, etc.

The following abbreviations are used in the tables below:

CL-exposed	Carbon leakage exposure. "True" if the sub-installation serves a sector deemed to be exposed to a significant risk of carbon leakage.
No. of BM	Number of the Benchmark
BM value	Value of the benchmark according to Annex I of the CIMs
EIExch?	Is exchangeability of electricity and heat relevant for this sub-installation?
First sub?	Is this sub-installation the first sub-installation of a greenfield plant to start normal operation?
Start date	The start of normal or changed operation, whatever relevant
Days remain	The remaining days in the calendar year the installation started normal operation or a sub-installation started changed operation
18(2) SCUF/RCUF	Standard or relevant capacity utilisation factor used for application of Article 18(2) of the CIMs
Initial C	Initial installed capacity before the significant changes reported for the current application
New C	New installed capacity after the significant changes reported for the current application
Relevant C	Is the capacity relevant for further calculations. For greenfield plants it is equal to the initial installed capacity. For significant changes it is the difference between the new and the initial installed capacity.
HAL total	Total Historical activity level (HAL), composed from the median of the baseline period, and the application of Article 9(6) and 9(9), as applicable.
EIExch-F	Calculation factor for taking into account the exchangeability of electricity and heat in accordance with Article 14 of the CIMs
non-ETS heat	Amount to be deducted from the preliminary annual amount of allowances in accordance with Article 13 of the CIMs
HVC-Corr	Amount to be added to the preliminary annual amount of allowances for steam cracking sub-installations in accordance with Article 11 of the CIMs
VCM-F	Calculation factor for taking into account hydrogen-related emissions in vinylchloride monomer sub-installations in accordance with Article 12 of the CIMs

PP-F	Calculation factor for taking into account the amount of pulp placed onto the market in accordance with Article 10(7).
AL new/added/reduced	The activity level relevant for calculation of the preliminary allocation. In case of significant changes it is the activity level related to the added or reduced capacity.
Alloc new/added/reduced	Preliminary annual number of emission allowances allocated free of charge in accordance with Article 19 of the CIMs, i.e. before any of the CL exposure factor, linear factor or cross-sectoral correction factor are applied.
PartCessYear	Calendar year in which the partial cessation or the recover from partial cessation took place
ALini	Initial activity level
ALnew	New activity level = the activity level in the year the partial cessation or the return from partial cessation took place
Adjustment Factor	The adjustment factor to be applied in accordance with Article 23(2) as of the calendar year following the one in which the partial cessation or the return from partial cessation took place

1 Sub-installation with product benchmark 1:

CL-exposed	No. of BM	BM value or factor	EIExch?						
N.A.	N.A.	N.A.	EUA / tonnes						
A. Significant changes			B. Partial cessation						
			Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Capacity reported			tonnes						
Values used for calculation			tonnes						
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:			EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F		
			AL new/added/reduced	Alloc new/added/reduced			Adjustment Factor		
			tonnes / year	EUA / year			---		

2 Sub-installation with product benchmark 2:

CL-exposed	No. of BM	BM value or factor	EIExch?						
N.A.	N.A.	N.A.	EUA / tonnes						
A. Significant changes			B. Partial cessation						
			Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Capacity reported			tonnes						
Values used for calculation			tonnes						
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:			EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F		
			AL new/added/reduced	Alloc new/added/reduced			Adjustment Factor		
			tonnes / year	EUA / year			---		

3 Sub-installation with product benchmark 3:

CL-exposed	No. of BM	BM value or factor	EIExch?						
N.A.	N.A.	N.A.	EUA / tonnes						
A. Significant changes			B. Partial cessation						
			Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Capacity reported			tonnes						
Values used for calculation			tonnes						
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:			EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F		
			AL new/added/reduced	Alloc new/added/reduced			Adjustment Factor		
			tonnes / year	EUA / year			---		

4 Sub-installation with product benchmark 4:

CL-exposed	No. of BM	BM value or factor	EIExch?						
N.A.	N.A.	N.A.	EUA / tonnes						
A. Significant changes			B. Partial cessation						
			Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Capacity reported			tonnes						
Values used for calculation			tonnes						
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:			EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F		
			AL new/added/reduced	Alloc new/added/reduced			Adjustment Factor		
			tonnes / year	EUA / year			---		

5 Sub-installation with product benchmark 5:

CL-exposed	No. of BM	BM value or factor	EIExch?	
N.A.	N.A.	N.A.	EUA / tonnes	

A. Significant changes		B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6		
Capacity reported	tonnes								
Values used for calculation	tonnes								
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:	EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F				
	AL new/added/reduced		Alloc new/added/reduced		Adjustment Factor				
	tonnes / year		EUA / year		---				

6 Sub-installation with product benchmark 6:

CL-exposed	No. of BM	BM value or factor	EIExch?	
N.A.	N.A.	N.A.	EUA / tonnes	

A. Significant changes		B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6		
Capacity reported	tonnes								
Values used for calculation	tonnes								
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:	EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F				
	AL new/added/reduced		Alloc new/added/reduced		Adjustment Factor				
	tonnes / year		EUA / year		---				

7 Sub-installation with product benchmark 7:

CL-exposed	No. of BM	BM value or factor	EIExch?	
N.A.	N.A.	N.A.	EUA / tonnes	

A. Significant changes		B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6		
Capacity reported	tonnes								
Values used for calculation	tonnes								
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:	EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F				
	AL new/added/reduced		Alloc new/added/reduced		Adjustment Factor				
	tonnes / year		EUA / year		---				

8 Sub-installation with product benchmark 8:

CL-exposed	No. of BM	BM value or factor	EIExch?	
N.A.	N.A.	N.A.	EUA / tonnes	

A. Significant changes		B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6		
Capacity reported	tonnes								
Values used for calculation	tonnes								
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:	EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F				
	AL new/added/reduced		Alloc new/added/reduced		Adjustment Factor				
	tonnes / year		EUA / year		---				

9 Sub-installation with product benchmark 9:

CL-exposed	No. of BM	BM value or factor	EIExch?	
N.A.	N.A.	N.A.	EUA / tonnes	

A. Significant changes		B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6		
Capacity reported	tonnes								
Values used for calculation	tonnes								
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:	EIExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F				

AL new/added/reduced tonnes / year	Alloc new/added/reduced EUA / year	Adjustment Factor ---
---------------------------------------	---------------------------------------	--------------------------

10 Sub-installation with product benchmark 10:

CL-exposed	No. of BM	BM value or factor	EiExch?						
N.A.	N.A.	N.A.	EUA / tonnes						
A. Significant changes			B. Partial cessation						
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6		
Capacity reported	tonnes								
Values used for calculation	tonnes								
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) SCUF	PartCessYear	ALini	ALnew
Special factors:			EiExch-F	non-ETS heat	HVC-Corr	VCM-F	PP-F		
			AL new/added/reduced tonnes / year	Alloc new/added/reduced EUA / year			Adjustment Factor ---		

11 Fall-Back Sub-installation 1:

			Heat benchmark sub-installation, CL				relevant			
CL-exposed	No. of FB	BM value or factor	significant capacity extension							
TRUE	1	62.3	EUA / TJ							
A. Significant changes			B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6			
Capacity reported	TJ	31.50	31.50	32.55	33.00	33.00	33.50			
Values used for calculation	TJ									
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) RCUF	PartCessYear	ALini	ALnew	
FALSE	26/02/2013	309	300	399	99	0.8500				
			AL new/added/reduced 84 TJ / year	Alloc new/added/reduced 5,233 EUA / year			Adjustment Factor ---			

12 Fall-Back Sub-installation 2:

			Heat benchmark sub-installation, non-CL							
CL-exposed	No. of FB	BM value or factor								
FALSE	2		EUA / TJ							
A. Significant changes			B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6			
Capacity reported	TJ									
Values used for calculation	TJ									
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) RCUF	PartCessYear	ALini	ALnew	
			AL new/added/reduced TJ / year	Alloc new/added/reduced EUA / year			Adjustment Factor ---			

13 Fall-Back Sub-installation 3:

			Fuel benchmark sub-installation, CL							
CL-exposed	No. of FB	BM value or factor								
TRUE	3		EUA / TJ							
A. Significant changes			B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6			
Capacity reported	TJ									
Values used for calculation	TJ									
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) RCUF	PartCessYear	ALini	ALnew	
			AL new/added/reduced TJ / year	Alloc new/added/reduced EUA / year			Adjustment Factor ---			

14 Fall-Back Sub-installation 4:

			Fuel benchmark sub-installation, non-CL							
CL-exposed	No. of FB	BM value or factor								
FALSE	4		EUA / TJ							
A. Significant changes			B. Partial cessation							
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6			
Capacity reported	TJ									
Values used for calculation	TJ									
First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) RCUF	PartCessYear	ALini	ALnew	
			AL new/added/reduced	Alloc new/added/reduced			Adjustment Factor			

TJ / year	EUA / year	---
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15 Fall-Back Sub-installation 5:

Process emissions sub-installation, CL

CL-exposed	No. of FB	BM value or factor	
TRUE	5	EUA / t CO2e	

A. Significant changes		B. Partial cessation					
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Capacity reported	t CO2e						
Values used for calculation	t CO2e						

First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) RCUF	PartCessYear	ALini	ALnew

AL new/added/reduced	Alloc new/added/reduced	Adjustment Factor
t CO2e / year	EUA / year	---

16 Fall-Back Sub-installation 6:

Process emissions sub-installation, non-CL

CL-exposed	No. of FB	BM value or factor	
FALSE	6	EUA / t CO2e	

A. Significant changes		B. Partial cessation					
	Unit	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Capacity reported	t CO2e						
Values used for calculation	t CO2e						

First sub?	Start date	Days remain	Initial C	New C	Relevant C	18(2) RCUF	PartCessYear	ALini	ALnew

AL new/added/reduced	Alloc new/added/reduced	Adjustment Factor
t CO2e / year	EUA / year	---

V Calculation of annual amount of allowances allocated free of charge

Note:

In this section you can see a summary of allocation values for the years 2013 to 2020 which apply to this installation, and which are based on the data entered in the previous sections. The displayed information does not contain any completeness checks. Therefore, the data can only be considered correct if you have ensured that the following conditions are met:

- Sheet "A_InstallationData" is filled completely, especially sections A.II to A.V.
- No error messages are displayed in any of the relevant sections.

Disclaimer: According to Article 19(1) of the CIMs, Member States are required to calculate the preliminary annual number of emission allowances allocated free of charge. The results displayed in the previous chapter and here are therefore indicative only. No warranty, either express or implied, is provided in relation to the accuracy, completeness or reliability of the result. No rights or entitlement to a certain amount of allowances can be derived from the result displayed in this template. For correctness of calculations please see also the disclaimer in the sheet "Guidelines and conditions".

1 Latest final annual amount of allowances allocated free of charge prior to this current application

The amounts here reflect the final total amount of allowances allocated free of charge prior to this current application on the basis of your entries in section A.III.

(a) Latest final allocation without adjustment factors

These values are in accordance with Article 10 (9) or 19 (5) of the CIMs, whatever relevant. Partial cessations (Article 23) are not considered here.

Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
0 Phase before start								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11 Heat benchmark sub-installation, CL	15,575	15,575	15,575	15,575	15,575	15,575	15,575	15,575
12 Heat benchmark sub-installation, non								
13 Fuel benchmark sub-installation, CL								
14 Fuel benchmark sub-installation, non								
15 Process emissions sub-installation, C								
16 Process emissions sub-installation, n								
17 Private households								
Allocation	15,575	15,575	15,575	15,575	15,575	15,575	15,575	15,575

(b) Latest final allocation including adjustment factors resulting from partial cessations

These values are the same as in point (a) above but corrected by adjustment factors for partial cessations in accordance with Article 23.

Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
0 Phase before start								
1								
2								
3								

4									
5									
6									
7									
8									
9									
10									
11	Heat benchmark sub-installation, CL	15,575	15,575	15,575	15,575	15,575	15,575	15,575	15,575
12	Heat benchmark sub-installation, non								
13	Fuel benchmark sub-installation, CL								
14	Fuel benchmark sub-installation, non								
15	Process emissions sub-installation, C								
16	Process emissions sub-installation, n								
17	Private households								
	Allocation	15,575	15,575	15,575	15,575	15,575	15,575	15,575	15,575

2 Total final added annual amount of allowances allocated free of charge:

(a) New/added/reduced allocation

In case the installation is a greenfield plant or an existing installation applies for changes of allocation after having had significant changes, the added or reduced final allocation is calculated here.

Calculation factors used are the carbon leakage factor, the linear factor referred to in Article 10a(4) of the EU ETS Directive, and the cross-sectoral correction factor (CSCF) in accordance with Article 15(3) of the CIMs.

Please note that the CSCF is only relevant for significant capacity reductions of incumbents that have not been classified as electricity generators.

	2013	2014	2015	2016	2017	2018	2019	2020
Carbon leakage factor	0.8000	0.7286	0.6571	0.5857	0.5143	0.4429	0.3714	0.3000
CSCF	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Linear factor	1.0000	0.9826	0.9652	0.9478	0.9304	0.9130	0.8956	0.8782

Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
0 Phase before start								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11 Heat benchmark sub-installation, CL	4,430	5,142	5,051	4,960	4,869	4,778	4,687	4,596
12								
13								
14								
15								
16								
Sum	4,430	5,142	5,051	4,960	4,869	4,778	4,687	4,596

(b) Partial cessations

The values in this table reflect the adjustment factors to be applied from this current application onwards due to partial cessation or recovery from partial cessation.

Empty fields will be interpreted as "1" for further calculations.

Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11 Heat benchmark sub-installation, CL								
12								
13								
14								
15								
16								

3 Indicative expected final amount of free allowances:

The amounts displayed here reflect the calculation of the final total amount of allowances allocated free of charge in accordance with Articles 19(5) and 21(2) of the CIMs, and after the application of adjustment factors in accordance to Article 23 of the CIMs.

Sub-installation	2013	2014	2015	2016	2017	2018	2019	2020
0 Phase before start								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11 Heat benchmark sub-installation, CL	20,005	20,717	20,626	20,535	20,444	20,353	20,262	20,171
12								
13								

14									
15									
16									
17	Private households								
	Total final free allocation	20,005	20,717	20,626	20,535	20,444	20,353	20,262	20,171

[The results displayed here are by no means legally binding. Please see disclaimer in the introduction of this section.](#)