



SWEDISH ENVIRONMENTAL PROTECTION AGENCY



Energimyndigheten

1 (1)

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STATENS ENERGIMYNDIGHET

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Naturvårdsverkets dnr

Näringsdepartementet
Miljödepartementet
103 33 Stockholm

Energimyndighetens

Dnr ~~00-08-4795~~
00-09-558

Förslag till rapport till EG-kommissionen i enlighet med artikel 21 i direktiv 2003/87/EG

Naturvårdsverket och Statens Energimyndighet har tillsammans, genom sina respektive regleringsbrev, fått i uppdrag av regeringen att lämna förslag till rapport till EG-kommissionen i enlighet med artikel 21 i direktiv 2003/87/EG (handelsdirektivet).

Förslaget till rapport som härmed överlämnas avser utvärderingsperioden från den 1 januari 2008 till den 31 december 2008.

Vissa skattefrågor i avsnitt 13 ligger utanför Naturvårdsverkets och Energimyndighetens kompetensområden. Myndigheterna har därför avstått från att besvara dessa frågor.

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"Annex"

PART 1

Questionnaire on the implementation of Directive 2003/87/EC

1. DETAILS OF INSTITUTION SUBMITTING THE REPORT

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Borttaget: Thea Ohlander

Borttaget: 17

Borttaget: thea.ohlander

Ändrad fältnod

1. Name of contact person: Titti Norlin
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2. COMPETENT AUTHORITIES

Questions 2.1 and 2.2 are to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period.

- 2.1. Please state the name and the abbreviation of the competent authorities which are involved in the implementation of the emissions trading scheme in your country.

In answering this question, use the table below. Add further rows if necessary.

Name	Abbreviation	Contact details
Swedish Environmental Protection Agency	SEPA	SE-106 48 Stockholm, Sweden +46 8 698 1000 Fax +46 6981433 natur@naturvardsverket.se
Swedish Energy Agency	<u>SEA</u>	Box 310, SE-631 04 Eskilstuna, Sweden +46-16-544 2000, Fax +46-16-544 2099 registrator@energimyndigheten.se http://www.swedishenergyagency.se
County Administration Boards	CAB	-
Swedish Board for Accreditation and Conformity Assessment	SWEDAC	Box 878, SE-501 15 Borås, Sweden +46-33-17 77 00, Fax +46-33-10 13 92 registrator@swedac.se
Swedish Agency for Economic and Regional Growth	NUTEK	SE-117 86 Stockholm Sweden +46-8-681 91 00 Fax +46-8-19 68 26 nutek@nutek.se

- 2.2. Please indicate which competent authority is responsible for each of the tasks listed in the table below using their abbreviations.

Please state the abbreviation of the competent authority which is in charge of the following tasks:	
Issuance of permits	CAB
Allocation of allowances	SEPA
Issuance of allowances	SEA
Validation of monitoring methodology	CAB
Receiving and supervising verified emission reports	SEPA
Accreditation of verifiers	SWEDAC
Registry	SEA
Compliance and enforcement	SEPA
Issuance of ERU as a host country	SEA
Approval of the use of CERs & ERUs for compliance	SEA
Administration of new entrants reserve	SEA
Information to the public	SEA/SEPA
Auctioning	-
Administration of opt-ins	SEPA, SEA and the Ministry of the Environment
Administration of pooling	-
Other (please specify): _____	

Borttaget: STEM

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3. COVERAGE OF ACTIVITIES AND INSTALLATIONS

- 3.1. How many of the combustion installations have a rated thermal input that exceeds 20 MW but is below 50 MW on 31 December of the reporting year? In total, how many CO₂ equivalents were emitted by these installations in the reporting period?

In answering this question, use the table below.

	Number	Share in total number of installations or emissions
Number of installations with a rated thermal input that exceeds 20 MW but is below 50 MW	235	31.4%
CO ₂ equivalents emitted by those installations	513726	2.6%

Borttaget: 174

Borttaget: 23.7

Borttaget: 479113

Borttaget: 5

- 3.2. What changes occurred during the reporting period in comparison with the national allocation plan table (NAP table) as entered into the Community Independent Transaction Log on 1 January of the reporting year (new entrants, closures, installations falling below the capacity thresholds)?

In answering this question, use Table 1 of Part 2 of this Annex.

- 3.3. Did the competent authority receive any application(s) during the reporting period from operators who wish to form a pool pursuant to Article 28 of Directive 2003/87/EC (ET Directive)? If yes, to which activity listed in Annex I to Directive 2003/87/EC (hereinafter - "Annex I activity") did the application refer to and was the pool formed?

In answering this question, use the table below.

- No applications concerning pools were received by the competent authority (SEPA). The possibility of forming a pool pursuant to Article 28 of Directive 2003/87/EC is not implemented in national legislation.

Main Annex I activity ^(a)	Number of applications received	Number of pools formed
Energy activities		
E1 Combustion installations with a rated thermal input exceeding 20 MW (excepting hazardous or municipal waste installations)		
E2 Mineral oil refineries		
E3 Coke ovens		
Production and processing of ferrous metals		
F1 Metal ore (including sulphide ore) roasting or sintering installations		
F2 Installations for the production of pig iron or steel (primary or secondary fusion) including continuous casting, with a capacity exceeding 2.5 tonnes per hour		
Mineral industry		
M1 Installations for the production of cement clinker in rotary kilns with a production capacity exceeding 500 tonnes per day or lime in rotary kilns with a production capacity exceeding 50 tonnes per day or in other furnaces with a production capacity exceeding 50 tonnes per day		
M2 Installations for the manufacture of glass including glass fibre with a melting capacity exceeding 20 tonnes per day		
M3 Installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain, with a production capacity exceeding 75 tonnes per day, and/or with a kiln capacity exceeding 4 m ³ and with a setting density per kiln exceeding 300 kg/m ³		
Other activities		
O1 Industrial plants for the production of (a) pulp from timber or other fibrous materials		
O2 (b) paper and board with a production capacity exceeding 20 tonnes per day		
^(a) If an installation carries out more than one activity, please only count the installation once under its main Annex I activity.		

- 3.4. Is there any other relevant information concerning the coverage of installations and activities in your country? If so, please specify.

- Sweden has an opt-in of small combustion installations that includes all combustion installations connected to a district heating grid with an aggregated installed capacity exceeding 20 MW.

4. THE ISSUE OF PERMITS FOR INSTALLATIONS

Questions 4.1 to 4.4 are to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period.

- 4.1. What measures have been taken to ensure that operators comply with the requirements of their greenhouse gas emissions permits?

Note: Fines or penalties which might be imposed in case of infringements must not be reported here but under section 11.

In answering this question, use the table below. Add further rows if necessary.

Which of the following measures are applied in your country (add explanatory text if necessary)?	
The account will be blocked in case of irregularities	Yes
Selling will be prohibited in case of irregularities	Yes
Withdrawal of permit; suspension of the installation	Yes
Spot or routine checks or inspections by the administration	Yes, by SEPA
Conservative emission estimates in case of missing emission reports	Yes, by SEPA
Verification bodies check compliance with the conditions of the permit	Yes
Regular meetings with industry & associations to discuss relevant issues	Yes
Provision of specific reporting formats and guidance	Yes
Naming and shaming of non compliant operators	Yes
Other (please specify): _____	

- 4.2. Where more than one competent authority is involved, how does national legislation ensure that the conditions of and the procedures for the issuance of permits are fully coordinated? How does this co-ordination work in practice?

In answering this question, use the table below. Add further rows if necessary.

Which of the following statements applies to your country (add explanatory text if necessary)?	
More than one competent authority	Yes
If yes, please answer the following questions:	
Co-operation explicitly regulated by a law or a regulation	No
Commission or working group or co-ordination with regular meetings established	Yes
Guidance note for implementation of the national emissions trading law	Yes
Interpretation group to clarify ambiguous issues	No
Co-ordination of administrative acts by one central authority	No
Training courses to ensure consistent implementation	Yes
Other (please specify): _____	

- 4.3. In cases where installations carry out activities listed in Annex I to Directive 96/61/EC (IPPC Directive)¹ what measures have been taken to ensure that conditions and procedure for the issue of a greenhouse gas emissions permit are coordinated with those for the permit provided for in that Directive? Have the requirements laid down in Articles 5, 6 and 7 of Directive 2003/87/EC been integrated into the procedures provided for in Directive 96/61/EC? If so, how was this integration performed?

In answering this question, use the table below. Add further rows if necessary.

¹ OJ L 257, 10.10.1996, p. 26

Which of the following statements applies to your country (add explanatory text if necessary)?	
Requirements laid down in Articles 5-7 of Directive 2003/87/EC have been transposed by national legislation	Yes
Law which transposes the IPPC Directive does not include emission or concentration limits for CO ₂	No
Integrated permitting procedure under the IPPC Directive and the ET Directive	No
Separate permits for IPPC and ET Directive	Yes
Granting of an IPPC permit requires a valid emissions trading scheme (ETS) permit	No
Granting of an ETS permit requires a valid IPPC permit	Yes
IPPC regulators will check whether ETS permit is necessary and inform ETS regulators	No
Other (please specify): _____	

- 4.4. What are the legislative provisions, procedures and practice concerning updating of permit conditions by the competent authority pursuant to Article 7 of Directive 2003/87/EC?

For answering this question, use the table below. Add further rows if necessary.

Please refer to the legal provision which transposes Article 7 of Directive 2003/87/EC	Act (2004:1199) on emissions trading.
Which of the following provisions, procedures and practices apply to your country (add explanatory text if necessary)?	
Authorisation for changes in the installation type or operating mode required	Yes
Authorisation for changes in the monitoring methodology required	Yes
Changes have to be notified in advance	Yes
Closures have to be notified immediately	No
Penalty in case of non compliance with request to update monitoring methodology	No, but the legal situation is vague regarding this issue.
Change of the operator requires an update of permit	Yes
Less significant changes are just recorded	No, all changes requires an updated permit
Other (please specify): _____	

- 4.5. How many permits were updated during the reporting period because of a change in the nature or functioning, or extension, of installations made by operators as specified in Article 7 of Directive 2003/87/EC? Please provide for each category (capacity increase, capacity decrease, change in process type, etc.) how many permits were updated.

In answering this question, use the table below. Add further rows if necessary.

Please state the number of changes in each category:	
Total changes	<u>222</u>
Revoked	<u>11</u>
Surrendered	<u>1</u>
Transferred	<u>1</u>
Increase of capacity	<u>4</u>
Decrease of capacity	<u>1</u>
Changes to monitoring and reporting details	<u>155</u>
Change in name of installation or operator	<u>32</u>
Non-significant amendment	<u>12</u>
Notification of changes without update of permit	<u>2</u>
Other (please specify): _____	

Borttaget: 122

Borttaget: 10

Borttaget: 4

Borttaget: 10

Borttaget: 19

Borttaget: 2

Borttaget: 33

Borttaget: 12

Borttaget: 15

Borttaget: 17

4.6. Is there any other relevant information concerning the issue of permits for installations in your country? If so, please specify.

- No other relevant information.

5. APPLICATION OF THE MONITORING AND REPORTING GUIDELINES

Question 5.1 is to be answered in the report due by 30 June 2006, the first report of each trading period and in subsequent reports if changes were made during the reporting period.

- 5.1. What legal acts have been adopted in your country in order to implement monitoring and reporting guidelines? Are general derogations from the monitoring and reporting guidelines allowed by the legislation of your country, e.g. for specific fuels or activities? If so, please specify.

- The monitoring and reporting guidelines have fully been implemented in national law through SEPAs regulations on emissions trading (NFS 2007:5).

- 5.2. Which tiers were used in the monitoring methodologies for the major emitting installations (cf. Commission Decision 2004/156/EC)?

In answering this question, use Table 2 of Part 2 of this Annex. The information required in Table 2 need only be given for the largest installations covered by the ET Directive which contribute cumulatively to 50% of the total emissions included in the trading scheme. No information needs to be reported for sources within these installations with annual emissions below 25 kt CO₂ eq.

- 5.3. If tiers below the minimum tiers specified in Table 1 in section 4.2.2.1.4 of Annex I to Decision 2004/156/EC have been accepted in the monitoring methodology, please indicate for each installation for which this situation occurred the coverage of emissions, the activity, the tier category (activity data, net calorific value, emission factor, oxidation factor or conversion factor) and the monitoring approach/tier agreed in the permit.

- No installations have reported that they permanently apply tiers below the minimum tiers specified in Table 1 in Section 4.2.2.1.4 of Annex I to Decision 2004/156/EC. Installations applying exceptions (minor source streams, de-minimis source streams, pure biomass etc) in Commission Decision 2004/156/EC are not listed in Table 3 of Part 2 of this Annex.

In answering this question, use Table 3 of Part 2 of this Annex. The information required in Table 3 needs only be given for installations not reported under question 5.2. General derogations provided for in the national legislation must be reported under question 5.1.

- 5.4. Which installations temporarily applied different tier methods than those agreed with the competent authority?

In answering this question, use Table 4 of Part 2 of this Annex.

- 5.5. In how many installations was continuous emissions measurement applied? Please indicate the number of installations per Annex I activity and within each activity per subcategory based on reported annual emissions (less than 50 kt, 50-500 kt and over 500 kt).

In answering this question, use Table 5 of Part 2 of this Annex.

Borttaget: -No installations in Sweden applied continuous emissions measurement in 2007.

- 5.6. How much CO₂ was transferred from installations? Please indicate the number of tonnes of CO₂ transferred pursuant to section 4.2.2.1.2 of Annex I to Decision 2004/156/EC and the number of installations that transferred CO₂ for each activity listed in Annex I to Directive 2003/87/EC.

In answering this question, use the table below.

Main Annex I activity	Number of installations	CO ₂ transferred [kt CO ₂]	Use of transferred CO ₂
E1	1	120 570	Carbon black
E2			
E3	1	23 906	Coke gas
F1	3	9 460	Carbon in ore pellets leaving metal ore installations
F2	1	2 217 644,3	Mixed gas and coke oven gas used for combustion at other installation
M1			
M2			
M3			
O1	1	41 615	CaO to CaCO ₃
O2	1	11 230	Chimney gas from lime kiln

Borttaget: 7

Borttaget: 148.809

Borttaget: 3

Borttaget: 17.274

Borttaget: 2

Borttaget: 2255.66

Borttaget: 45.325

Borttaget: 10.719

- 5.7. How much biomass was combusted or employed in processes? Please indicate the quantity of biomass as defined in paragraph 2(d) of Annex I to Decision 2004/156/EC combusted (TJ) or employed (t or m³) for each activity listed in Annex I to Directive 2003/87/EC.

In answering this question, use the table below.

Main Annex I activity	Biomass combusted [TJ]	Biomass employed [t]	Biomass employed [m³]
E1	308 464		
E2			
E3			
F1			
F2			
M1	1 169	30 568	
M2			
M3	291	840	
O1	123 122	329 898	
O2	86 906		

- 5.8. What was the total quantity of waste used as fuel or input material per waste type?
What was the total quantity of resulting CO₂ emissions per waste type?

In answering this question, use the table below. Add further rows if necessary.

Waste type ²	Quantity used/ de- ployed [t]	Quantity used/ de- ployed [m³]	CO ₂ Emissions [t CO ₂]
Hazardous waste	52		
Industrial waste	80 092		2 695
EWC 020107	70 107		0
EWC 020202	51 655		0
EWC 020304	109 857		0
EWC 030301	3 654 149	1 383 379	0
EWC 030305	159 317		10 009

² The waste types should be reported using the classification of the "European List of Wastes" (Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

Borttaget: 227681*
Borttaget: 13233
Borttaget: 41
Borttaget: 816
Borttaget: 39 483
Borttaget: 106535
Borttaget: 23139
Borttaget: * The discrep ... [1]
Formaterade: Punkter och numrering ... [2]
Formaterat: Teckensnitt:12
Formaterat: Höger
Formaterat: Teckensnitt:12
Borttaget: 61
Borttaget: 161
Borttaget: 45854
Formaterat: Teckensnitt:12
Formaterat: Teckensnitt:12
Formaterat: Höger
Formaterat ... [3]
Borttaget: 7 032
Formaterat: Normal, Höger
Formaterat: Normal, Höger
Borttaget: 62090
Formaterat ... [4]
Formaterat: Höger
Formaterat: Normal, Höger
Borttaget: 47816
Formaterat ... [5]
Formaterat: Höger
Formaterat: Normal, Höger
Borttaget: 26623
Formaterat ... [6]
Formaterat: Höger
Formaterat: Normal, Höger
Borttaget: 2385900
Formaterat ... [7]
Borttaget: 58970
Formaterat ... [8]
Borttaget: 84 306
Formaterat: Normal, Höger
Borttaget: 247071
Formaterat ... [9]
Formaterat: Höger
Formaterat ... [10]
Borttaget: 4 430
Formaterat ... [11]

EWC 030307	14 081		6 524
EWC 030310	26 424		0
EWC 030311	2 215		0
EWC 030399	30 297		768
EWC 06 05 03	1 541		56
EWC 070104		549	543
EWC 160103	46 775		96 494
EWC 170201	185 876	44 333	637
EWC 191210	58 181		0

5.9. Please submit sample monitoring and reporting documents from some temporarily excluded installations, if applicable.

- No installations have been temporarily excluded.

Question 5.10 is to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period:

5.10. What measures have been taken to coordinate reporting requirements with any existing reporting requirements in order to minimise the reporting burden on businesses?

In answering this question, use the table below. Add further rows if necessary.

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Borttaget:	166
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Borttaget:	1036
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Formaterat	... [49]
Borttaget:	47 052
Borttaget:	1

Which of the following statements applies to your country (add explanatory text if necessary)?	
ETS reporting requirements are coordinated with other reporting requirements	No
Coordination with greenhouse gas inventory compilation under UNFCCC ³ and Decision 280/2004/EC	No
Coordination with EPER ⁴	No
Coordination with IPPC	No
Coordination with NEC ⁵	No
Coordination with LCP ⁶	No
Coordination with EMEP ⁷	No
Coordination with voluntary covenants	No
Coordination with other trading schemes (please specify)	No
ET data can be used by statistical office	Yes (Statistics Sweden - SCB)
Other (please specify):	

Borttaget: Yes
Formaterat: Färgöverstrykning
Borttaget: No

5.11. What procedures or measures have been implemented to improve monitoring and reporting by operators?

- Guidelines to monitoring and reporting are available at the competent authority (SEPA). The competent authority also provides extensive support through email and telephone.

A new web-based reporting system, E-CO2, was launched in January of 2009. The purpose of the new system is to simplify and improve the reporting process. An information day about E-CO2 was held by SEPA in february in order to explain it to the operators.

5.12. Is there any other relevant information concerning the application of the monitoring and reporting guidelines in your country? If so, please specify.

- In Sweden there is an exception in the verifying process for small opt-in installations in the district heating sector. If an operator has more than one opt-in installation the verifier is not obliged to visit all of the opt-in installations only the installation with the largest emission.

³ United Nations Framework Convention on Climate Change

⁴ European Pollutant Emission Register (Commission Decision 2000/479/EC of 17 July 2000), OJ L 192, 28.7.2000, p. 36

⁵ National Emissions Ceilings (Directive 2001/81/EC), OJ L 309, 27.11.2001, p. 22

⁶ Large Combustion Plants (Directive 2001/80/EC), OJ L 309, 27.11.2001, p. 1

⁷ Co-operative Programme for Monitoring and Evaluation of the Long-range Transmission of Air pollutants in Europe

6. ARRANGEMENTS FOR VERIFICATION

Question 6.1 is to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period.

- 6.1. Please describe the framework for verification of emissions, in particular the role of the competent authorities and other verifiers and any special requirements for verifiers already accredited in another country. Please submit documents setting out the accreditation criteria for verifiers as well as any verification guidance provided for accredited verifiers and documents setting out the mechanisms for supervision and quality assurance for verifiers, if available.

In answering this question, use the table below. Add further rows if necessary.

Which of the following statements apply to your country (add explanatory text if necessary)?	
Independent verifiers can be accredited according to national criteria (if so, please provide relevant documents or internet link)	Yes www.swedac.se
National guidance for verification developed (if so, please provide relevant documents or internet link)	Yes http://www.naturvardsverket.se/upload/03_lagar_och_andra_styrmedel/ekonomiska_styrmedel/handel_utslagsratter/pdf/eng_verifying_14dec05.pdf
Are national rules and procedures for verification based upon EN45011 and EA-6/01 ⁸	Yes (EN45011 and EA-6/03)
Verifiers are required to recommend improvements to installation's monitoring	No
Competent authority or other agency has a right to check verified emission reports	Yes
Competent authority or other agency has a right to adjust the verified emission report if deemed unsatisfactory	No
Competent authority or other agency supervises verifiers (including spot checks, training, quality assurance and quality control procedures)	Yes
Competent authority has a right to appoint a verifier to an installation	No
Verifiers accredited in another Member State are subject to another accreditation process	- Yes, full accreditation required According to the act (2004:1199) on emissions trading a verifier has to be accredited for the task according to the Swedish act (1992:1119) on technical control.
Knowledge of language and/or national laws/regulations required for verifiers accredited in another Member State	Verifiers accredited in other MS needs full Swedish accreditation by SWEDAC.
Special QA/QC procedures in place at CA for verifiers accredited in another Member State	Verifiers accredited in other MS needs full Swedish accreditation by SWEDAC.
Other (please specify):	

- 6.2. Did any operator provide an emission report for the reporting period not considered satisfactory by 31 March? If so, please provide a list of the installations concerned and the reasons why no positive verification statement was given.

In answering this question, use Table 6 of Part 2 of this Annex. Cases where operators did not provide any emission report must be reported under question 6.3.

- 6.3. For how many installations were no emission reports for the reporting period provided by 31 March? Please indicate the number of installations, allocated allowances and allowances blocked in the operators' holding accounts per Annex I activity and within each activity per subcategory based on reported annual emissions (less than 50 kt, 50-500 kt and over 500 kt).

In answering this question, use Table 7 of Part 2 of this Annex.

⁸

European Co-operation for Accreditation's (EA) Guidance on the application of EN 45011.

- 6.4. Which measures were undertaken in cases where operators did not provide an emission report by 31 March of the reporting period?

-The operator will be subject to a late submission fee of approx. 2 000 €. The CA will also decide on the amount of emissions for that installation based on a conservative method, unless the operator provides a verified report before the time of that decision.

- 6.5. Did the competent authority carry out any independent checks on verified reports? If yes, please describe how additional checks were undertaken and/or how many reports were checked.

-All of the reports (~ 750) have been roughly checked by the competent authority, to control that no important data was missing. A number of reports (around 50) will be examined in more detail later this year. All of the verification statements will also be checked.

Borttaget: 3

- 6.6. Did the competent authority instruct the registry administrator to correct the annual verified emissions for the previous year for any installation(s) to ensure compliance with the detailed requirements established by the Member State pursuant to Annex V to Directive 2003/87/EC?

- Not applicable in Sweden during the reporting period.

Indicate any corrections in Table 6 of Part 2.

- 6.7. Is there any other relevant information concerning the arrangements for verification in your country? If so, please specify.

- No other relevant information.

7. OPERATION OF REGISTRIES

Question 7.1 is to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period:

- 7.1. Please provide any terms and conditions required to be signed by account holders and provide a description of the identity check of persons undertaken before creating holding accounts (cf. Commission Regulation (EC) No 2216/2004).

In answering this question, use the table below.

Please provide the link to your registry	https://www.lstem.se/etjanster/default.aspx
Which of the following statements apply to your country (add explanatory text if necessary)?	
Specific terms and conditions elaborated which account holders have to sign (if yes, please provide relevant documents or links)	No
Different identity checks applied for operators and individuals	No, only individuals can get access to the registry.
Personal presence required for ID checks for residents in Member State ⁹	Yes, individuals have to identify themselves when collecting the digital ID from the provider.
ID check through written procedure only for residents ¹⁰	No
Personal presence required for ID checks for residents of other countries ¹¹	Yes, individuals have to identify themselves at the local post office, when collecting their pin code to the digital ID, sent by certified mail by the registry administrator.
ID check through written procedure only for residents in other countries ¹²	No
Copy of company register or similar documentation required for opening of operator holding account?	Yes, only for foreign participants.
Documentation showing right to represent company required for opening of operator holding account?	Yes, through written authorization from the person who has the right to sign for the operator.
Other (please specify): _____	Digital ID for individuals, both national and foreign participants.

Borttaget: <http://www.energimyndigheten.se/sus>

- 7.2. Please provide a summary of all security alerts relevant to the national registry which have occurred during the reporting period, how they were addressed and the time taken for resolution.

In answering this question, use the table below. Add further rows if necessary.

⁹ This includes ID checks by third parties like post offices or notary where the applicant has to present himself in person.
¹⁰ This includes electronic procedures.
¹¹ This includes ID checks by third parties like embassies where the applicant has to present himself in person.
¹² This includes electronic procedures.

Which of the following statements apply to your country (add explanatory text if necessary)?			
General procedures in place to prevent occurrence of security alerts		Yes	
Security alerts relevant to national registries occurred during the reporting period		No	
If yes, please fill out the following table			
Type of security alert	Number of occurrences	Action taken	Time needed for resolution
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

- 7.3. Please state how many minutes for each month of the reporting period the national registry was unavailable to its users (a) due to scheduled downtime, and (b) due to unforeseen problems.

In answering this question, use the table below.

Month	Scheduled downtime [minutes]	Unscheduled downtime [minutes]
January	0	0
February	0	0
March	0	1040
April	0	0
May	0	0
June	240	0
July	0	0
August	480	0
September	150	0
October	720	570
November	0	0
December	0	0

Borttaget: 60

Borttaget: 3900

Borttaget: 0

Formaterat: Upphöjd

Borttaget: 0

Borttaget: (1740)*

Borttaget: 120

Borttaget: 0

Borttaget: (220)*

Borttaget: 0

Formaterat: Upphöjd

Borttaget: 120

Borttaget: 0

Formaterat: Upphöjd

Borttaget: *

Formaterat: Upphöjd

* The Swedish registry was available however disconnected from the ITL/CITL on request from the ITL/CITL administrator due to technical problems with the CITL represented by 1005 minutes out of the 1040.

*) Downtime related to the Go-live process

- 7.4. Please list and provide details on each upgrade to the national registry scheduled for the next reporting period.

In answering this question, use the table below. Add further rows if necessary.

Which of the following statements apply to your country (add explanatory text if necessary)?	
Regular time slots allocated for maintenance and upgrading of registry (if so, please provide dates)	No
Registry will be upgraded together with upgrade of software system used	Yes
Please provide details for all upgrades scheduled for the next reporting period	
Date	Purpose
July 2009	New version of software both due to fixes of errors in the software and changes in the registry regulation.
Autumn 2009	New version of software due to changes in the registry regulation, with reservations for changes.

Borttaget: To be decided

Borttaget: New version of software due to connectivity to ITL, with reservations for changes.

Borttaget: To be decided

7.5. Is there any other relevant information concerning the operation of registries in your country? If so, please specify.

- No other relevant information.

8. ARRANGEMENTS FOR THE ALLOCATION OF ALLOWANCES – NEW ENTRANTS – CLOSURES

Questions 8.1 and 8.2 are to be answered in the first report after each notification and allocation procedure laid down in Articles 9 and 11 of Directive 2003/87/EC.

8.1. Looking back at the completed allocation process, please describe the main lessons learnt by your authorities, and how you think they will influence your approach to the next allocation process.

- The process with allocations to new entrants was subject to a substantial delay due to the prolonged approval procedure.

Borttaget: <nr>The preparation (the production of application forms and manuals) of the allocation process proceeded without disturbances. ¶

8.2. Do you have any suggestions for the improvement of future notification and allocation processes for the Community as a whole?

Borttaget:

Borttaget: The Swedish national allocation plan was not adopted until late autumn 2007.

Borttaget: <nr>The delay had unwanted effects on installations and operators that could not be informed of the final allocations until March 2008. ¶

- Auctioning is, in principle, the preferred allocation method and should be applied in EU ETS as far as possible. Benchmarking is the second best alternative and it should be used, if applicable, when auctioning is not feasible.
- Choice of allocation method has to consider if sectors are facing international competition, as is the case for in particular energy intensive industry.
- The EU electricity and district heating sectors act within the Union and should not be allocated free allowances after 2012. These sectors' allowances should be distributed to the market by means of auctions that are open to all parties within the EU ETS.

Formaterade: Punkter och numrering

Formaterat: Teckenfärg: Auto

- 8.3. How many allowances were allocated to the new entrants listed in Table 1, if any? Please give the installation identification code for the new entrant and the transaction identification code associated with the allocation of allowances.

In answering this question, use Table 1 of Part 2 of this Annex.

- 8.4. How many allowances were left in any new entrants reserve at the end of the reporting period, and what share do they represent of the original reserve?

In answering this question, use the table below.

Number of allowances left in the new entrants reserve at the end of the reporting period (31 December each year)	8 572 195
Share of allowances remaining in the new entrants reserve, in percent	64,1 %*
* Calculated from an original new entrants reserve of 13 377 992.	

Borttaget: 1.833.614

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Borttaget: 85.6

Borttaget: 2.141.265

Borttaget: The new entrants reserve specified in the Swedish NAP included 2.400.000 allowances but the amount has been decreased to cater for allocation for installations opted-in pursuant to Article 24 of Directive 2003/87/EC and increased allocations to existing installation. By using the last reports method in calculation the share of allowances remaining in the new entrants reserve the share would be 76,5 %.

- 8.5. If your Member State allocates allowances other than for free, please explain how such allocation is made (e.g. way in which auctioning is undertaken)?

-Sweden allocates allowances for free.

- 8.6. If auctioning was used as an allocation method, who was allowed to participate in the auction?

In answering this question, use the table below.

National operators only	-
National registry account holders only	-
All Community operators	-
All bidders with an account in a Community registry	-
Other (please specify): _____	-

- 8.7. If auctioning was used as an allocation method, how many auctions were held during the reporting period, how many allowances were auctioned during each auction, what share do they represent of the total quantity of allowances for the trading period and what was the price per allowance at each auction?

In answering this question, use the table below.

Was auctioning used as an allocation method?	No
--	----

If yes, please answer the following questions.	
Number of auctions held during the reporting period (1 January to 31 December)	-
Number of allowances auctioned (each auction separately)	-
Clearing price of auction (each auction separately)	-

8.8. If auctioning was used as an allocation method, what use was made of allowances not purchased at the auction(s)?

8.9. If auctioning was used as an allocation method, what were the revenues used for?

8.10. How were allowances treated that had been allocated but were not issued to installations that closed during the reporting period?

- Due to Swedish legislation an operator that closes an installation may keep all of the allowances for the entire trading period, provided that the permit is still valid and the terms and conditions of the permit are complied.

Question 8.11 is to be answered in the first report following the end of the trading periods set out in Article 11(1) and (2) of Directive 2003/87/EC.

8.11. Were allowances remaining in the new entrants' reserve at the end of the trading period cancelled or auctioned?

-The allowances regarding the 2005-2007 trading period were cancelled in September 2008 due to go-live.

Borttaget: ill probably be

8.12. Is there any other relevant information concerning the arrangements for allocation, new entrants and closures in your country? If so, please specify.

- No other relevant information.

9. SURRENDER OF ALLOWANCES BY OPERATORS

9.1. In all cases where an account in the registry was closed because there was no reasonable prospect of further allowances being surrendered by the installation's operator, please describe why there was no reasonable further prospect and state the amount of outstanding allowances.¹³

- Not applicable in Sweden during the reporting period.

In answering this question, use the table below. Add further rows if necessary.

¹³ If the amount of outstanding allowances is not known please provide an estimate of outstanding allowances based on the last verified emission report, remaining allowances in the account and other information available to the Competent Authority.

Reason for closure of account	Quantity of outstanding allowances [kt CO ₂ eq]
-	-
-	-
-	-

- 9.2. Is there any other relevant information concerning the surrender of allowances by operators in your country? If so, please specify.

-No other relevant information.

10. USE OF EMISSION REDUCTION UNITS (ERUs) AND CERTIFIED EMISSION REDUCTIONS (CERs) IN THE COMMUNITY SCHEME

Question 10.1 is to be answered annually starting with the report submitted in 2006 as regards CERs and starting with the report submitted in 2009 as regards ERUs:

- 10.1. Have ERUs and CERs been issued for which an equal number of allowances had to be cancelled pursuant to Article 11(b)(3) or (4) of Directive 2003/87/EC because the Joint Implementation (JI) or Clean Development Mechanism (CDM) project activities reduce or limit directly or indirectly the emission level of installations falling under the scope of that Directive? If so, please provide the sum of allowances cancelled and the total number of operators concerned separately for cancellation pursuant to Article 11(b)(3) and (4) of that Directive.

In answering this question, use the table below.

	Quantity of allowances cancelled	Number of operators affected
cancellation pursuant to Article 11(b)(3)	0	0
cancellation pursuant to Article 11(b)(4)	0	0

Questions 10.2 and 10.3 are to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period:

- 10.2. Which CERs and ERUs may be used for compliance in your Member State? Please state any project category excluded except those which are already excluded pursuant to Article 11(a)(3) of Directive 2003/87/EC (CERs and ERUs from nuclear or from land use, land use change and forestry project activities).

In answering this question, use the table below.

CERs and ERUs from all project categories can be used	Yes
CERs and ERUs from certain project categories are excluded (if yes, please	No _____

specify)	
----------	--

- 10.3. What measures have been taken to ensure that relevant international criteria and guidelines, including those contained in the year 2000 Final Report of the World Commission on Dams (WCD), will be respected during the development of hydro-electric power production projects with a generating capacity exceeding 20MW?

In answering this question, use the table below. Add further rows if necessary.

Which of the following statements apply to your country (add explanatory text as necessary):	
Project participants are legally obliged to adhere to the WCD guidelines	Yes. Legislation states that DNA/DFP will not approve a project activity if the project's design does not confirm with Article 11(b)(6).
Adherence to WCD guidelines is verified (if so, please provide relevant authority, e.g. competent authority or Designated National Authority)	Yes Legislation and procedures require that applicants provide supporting documentation illustrating that the relevant international guidelines have been met, or with certification to this effect from an accredited DOE. An advisory council (Council for International Climate Projects) has been established to advise the DNA/DFP on project's adherence to the guidelines.
Other international criteria and guidelines have to be respected during the development of large hydro-electric power projects (if so, please provide relevant documents or links)	No Swedish companies have agreed to adhere to OECD guidelines, no specific requirement or verification is planned for this.
Other (please specify): _____	

- 10.4. Is there any other relevant information concerning the use of ERUs and CERs in the Community scheme in your country? If so, please specify.

- In Sweden ERUs and CERs can be used for compliance in the EUETS by operators. The overall limit for usage of ERUs and CERs is 10 percent of the allocation. Installation specific limits apply and are decided by the SEPA. The limits are in general calculated using emission figures for 2006. The limits are period based.

11. FEES AND CHARGES

Questions 11.1 to 0 are only to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period:

- 11.1. Are fees charged to operators for the issuance and update of permits? If so, please provide details on the fees charged, total proceeds and the use of the proceeds.

-No fees.

- 11.2. What fees are charged to operators for the issuance of allowances? If so, please provide details on the fees charged, total proceeds and the use of the proceeds.

-No fees.

- 11.3. What fees are charged for the use of the registry if any? Please give details.

In answering this question, use the table below?

Which of the following statements apply to your country (add explanatory text as necessary)?	
Fees are charged for the use of the registry	Operators: No Individuals: No
Different fees in place for operators and individuals	No
Fee for opening an account ¹⁴	Operators holding account: 0 € once/per trading period Personal holding account: 500 SEK once
Annual fee for maintaining account ¹⁵	Operators holding account: 0 € per year Personal holding account: 500 SEK per calendar year
Other (please specify): _____	

- 11.4. Is there any other relevant information concerning fees and charges in the Community scheme in your country? If so, please specify.

- No other relevant information.

12. ISSUES RELATED TO COMPLIANCE WITH THE ET DIRECTIVE

Question 12.1 is to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period:

- 12.1. Please state the relevant national provisions and the penalties for infringements of national provisions pursuant to Article 16(1) of the ET Directive.

- It is too early to give a complete answer to this question because these issues have not been tried in court.

In answering this question, use the table below. Add further rows if necessary.

Kind of infringement	Relevant national provision	Fines [€]	Imprisonment [months]

¹⁴ Indicate the relevant period as well (once/per trading period).

¹⁵ If fees depend on allocation please provide minimum and maximum fees if applicable and the relevant formula.

		min	max	min	max
Operation without permit					12
Infringements of monitoring and reporting obligations					12
Omission to notify changes to the installation					12
Other (please specify)					

- 12.2. Where penalties were imposed pursuant to Article 16(1) of the ET Directive for infringements of national provisions, please state the relevant national provisions, briefly describe the infringement and give the penalties imposed.

In answering this question, use the table below. Add further rows if necessary.

Infringement	National provision	Penalty imposed	
		Fines [€]	Imprisonment [months]
Delayed emission reports	Delay charge	Aprox. 1 950 EUR (20 000 SEK)	
Non verified emission reports	Charge	Aprox. 1 950 EUR (20 000 SEK)	
Failure of surrendering the correct amount of allowances	Charge	100 EUR/allowance	

Borttaget: 2200

- 12.3. Please provide the names of operators for which excess emission penalties were imposed pursuant to Article 16(3) of the ET Directive.

The names of the operators for which excess emission penalties were imposed will be available at: <http://www.naturvardsverket.se/sv/Nedre-menv/Nyheter/Foretag-som-inte-overlamnar-utslappsraatter-ska-offentliggoras/>

Borttaget: are

In answering this question, it is sufficient to provide a reference to the publication of the names under Article 16(2) of the ET Directive.

- 12.4. Is there any other relevant information related to compliance with the ET Directive in your country? If so, please specify.

-No other relevant information

13. THE LEGAL NATURE OF ALLOWANCES AND FISCAL TREATMENT

Questions 13.1 to 13.8 are only to be answered in the report due by 30 June 2006 and in subsequent reports if changes were made during the reporting period:

- 13.1. What is the legal nature of an allowance (commodity/financial instrument) for the purpose of financial regulation?
- Allowances are regarded as financial instruments.
- 13.2. What is the legal status given to allowances and emissions for the purposes of accounting?
- Allowances are treated as stock supply, if they are in the possession of an operator included in the trading scheme.
- 13.3. Were any specific accounting rules established or adopted for allowances? If yes, please describe them briefly.
- Yes, see question 13.2. Act (1999:1229) on income tax.
- 13.4. Are transactions of allowances subject to VAT?
-
- 13.5. Is the issuance of allowances subject to VAT?
-
- 13.6. If your Member State allocates allowances for payment, is VAT due on the transaction?
- Sweden allocates allowances for free.
- 13.7. Are profits or losses from transactions of allowances subject to a specific income tax (e.g. specific tariffs)?
-
- 13.8. Is there any other relevant information concerning the legal nature of allowances and their fiscal treatment in your country? If so, please specify.
- No other relevant information.

14. ACCESS TO INFORMATION PURSUANT TO ARTICLE 17 OF THE ET DIRECTIVE

- 14.1. Where are decisions relating to the allocation of allowances, information on project activities in which a Member State participates or authorises private or public entities to participate, and reports of emissions required under the greenhouse gas emissions permit and held by the competent authority made available to the public?

In answering this question, use the table below:

Type of information	Information available to public	If information is available, at which location?		
		Internet ¹⁶	Official Publication ¹⁷	Other (please specify)
Allocation rules	Yes	www.utslappshandel.se	Ordinance (2004:1205) on emissions trading	
NAP table	Yes	www.utslappshandel.se		
Changes to list of installations	Yes	www.utslappshandel.se		
Verified emission reports	Upon request only			
Project activities	Yes	www.energimyndigheten.se		
Greenhouse gas emissions permit	Upon request only			
Information required by Annex XVI to Regulation (EC) No 2216/2004	Yes	www.utslappshandel.se		
Other (please specify): _____				

- 14.2. Is there any other relevant information concerning the access to information pursuant to Article 17 of the ET Directive in your country? If so, please specify.

- No other relevant information.

¹⁶ Please provide web address.

¹⁷ Please provide the title.

15. OTHER OBSERVATIONS

- 15.1. Were public studies on the implementation and the further development of the European emissions trading scheme undertaken in your country? If so, please provide the document, reference or internet link together with a very brief outline of the study.

-A report about the experiences from the implementation of the EU ETS and possible improvements from the authorities' point of view was written by SEPA and SEA in 2005. The document is only provided in Swedish at this location:

http://www.naturvardsverket.se/upload/03_lagar_och_andra_styrmedel/ekonomiska_styrmedel/handel_utslappsraatter/pdf/RU22_rapport.pdf

Borttaget: STEM

Borttaget: <http://www.naturvardsverket.se/dokument/halibar/klimat/utslappshandel/utslappshand.pdf?erfarenhetsrapporten.pdf>

-A report about company strategies for the EU ETS and climate commitments has been produced by the School of Business, Economics and Law at Gothenburg University commissioned by SEPA. The report, which is provided in Swedish with an English summary can be found at this location,

<http://www.naturvardsverket.se/Documents/publikationer/620-5679-4.pdf>

-There is also a report written by SEPA and SEA about the development of the EU ETS. It was finished by the end of the 2006. The report, written in Swedish with an English summary can be found at this location.

<http://www.naturvardsverket.se/Documents/publikationer/620-5657-3.pdf>

Borttaget: STEM

-A report on the inclusion of aviation within the EU was published by SEPA and the Swedish Civil Aviation Authority (SCAA). The report, written in Swedish with an English summary can be found at this location.

<http://www.naturvardsverket.se/Documents/publikationer/620-5655-7.pdf>

-A report written by SEA that is a compilation of status and events on the EU ETS market during 2008. The report is mainly based on the informative material that has been made available by leading market analysts and is written in Swedish. ER 2008:28 - Utvecklingen på utsläppsrättmarknaden.

<http://webbshop.cm.se/SvSEA/ViewResource.aspx?rl=default:/Resources/Permanent/StorageItem/dc4e8d830e3f4311becaa2b5e826775f/2063.pdf>

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Borttaget: it

Borttaget: 7

Borttaget: 42

Borttaget: http://www.swedishenergycy.se/web/bibshop.nsf/FileAtkomst/ER%202007_42W.pdf?OpenElement

-A report on the further experiences from the EU ETS was written by SEPA and SEA in 2007. The report is only written in Swedish and is available at the following location.

http://www.naturvardsverket.se/upload/03_lagar_och_andra_styrmedel/ekonomiska_styrmedel/handel_utslappsraatter/pdf/RU22_rapport.pdf

-A brochure about the Swedish national registry and it is written in Swedish. ER 2008:23. Available at this location:

<http://webbshop.cm.se/System/ViewResource.aspx?rl=default:/Resources/Permanent/StorageItem/80d99fb6ac994ae886d2ebae696c3ed8/2074.pdf>

The Swedish Government's CDM and JI programme (SICLIP) is hosted by the Swedish Energy Agency. The programme supports projects by purchasing emission reductions which have been generated according to the rules of the project based mechanisms in the Kyoto Protocol (i.e. Clean Development Mechanism, CDM and Joint Implementation, JI). With a forecast budget of more than € 100 million, the programme's objectives are to: contribute to the development of the flexible mecha-

Borttaget: A study of the national allocation plans within the EU ETS regarding 2008-2012. The report is a review and a comparison between the member states national allocation plans regarding 2008-2012. Mainly is the allocation in France, Italy, Poland, Spain, UK and Germany being reviewed. Also Finland, Denmark and Sweden is being reviewed. The report is written in Swedish. ER2007:36 - Granskning av nationella fördelningsplaner inom EU:s system för handel med utsläppsrätter
http://www.swedishenergyagency.se/web/bibshop.nsf/FileAtkomst/ER2007_36.pdf?OpenElement

nisms, contribute to cost-effective greenhouse gas reductions and contribute to sustainable development in the host countries of the projects. Experience gained through the programme is used in supporting private sector organisations interested in engaging in CDM and JI. ER 2008:22 Available at this location:
<http://webbshop.cm.se/System/ViewResource.aspx?rl=default:/Resources/Permanent/StorageItem/7178d4910a564710a6ef853b25a29619/2056.pdf>

- 15.2. Are there any particular implementation issues that give rise to concerns in your country? If so, please specify.

Borttaget: - A report written by STEM on the conclusion about the EU ETS impact on the industry. (ER2006:45). The report is written in Swedish. ER2007:08 - Europeiska utsläppshandelssystemets påverkan på industrin - en underlagsrapport .
[http://www.swedishenergyagency.se/webbshop.nsf/FilAtkomst/ER2007_08w.pdf/\\$FILE/ER2007_08w.pdf?OpenElement](http://www.swedishenergyagency.se/webbshop.nsf/FilAtkomst/ER2007_08w.pdf/$FILE/ER2007_08w.pdf?OpenElement)

Formaterade: Punkter och numrering

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Sid. 12: [1] Borttaget	sbe	2009-06-04 17:07:00
* The discrepancy between this and last years reporting is due to the use of incorrect net calorific values in three emission reports in 2006. The biomass combusted reported for 2006 exceeded the actual value by 2'260' 000 TJ.		
Sid. 12: [2] Ändring	sbe	2009-06-12 13:54:00
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Sid. 12: [3] Formaterat	sbe	2009-06-15 10:52:00
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Normal, Höger

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Sid. 13: [34] Formaterat	sbe	2009-06-16 16:00:00
Teckensnitt:10 pt, Teckenfärg: Svart		
Sid. 13: [34] Formaterat	sbe	2009-06-16 16:00:00
Teckensnitt:(Standard) Times New Roman, 12 pt		

Sid. 13: [35] Formaterat	sbe	2009-06-16 16:22:00
Höger		
Sid. 13: [36] Formaterat	sbe	2009-06-16 16:00:00
Teckensnitt:(Standard) Times New Roman		
Sid. 13: [37] Formaterat	sbe	2009-06-16 16:00:00
Teckensnitt:(Standard) Times New Roman, 12 pt, Teckenfärg: Svart		
Sid. 13: [38] Formaterat	sbe	2009-06-16 16:22:00
Normal, Höger		
Sid. 13: [39] Formaterat	sbe	2009-06-16 16:10:00
Teckensnitt:(Standard) Arial, 10 pt, Fet		
Sid. 13: [40] Formaterat	sbe	2009-06-16 16:22:00
Höger		
Sid. 13: [41] Formaterat	sbe	2009-06-16 16:10:00
Teckensnitt:(Standard) Times New Roman, 12 pt, Inte Fet		
Sid. 13: [42] Formaterat	sbe	2009-06-16 16:10:00
Teckensnitt:(Standard) Times New Roman, 12 pt		
Sid. 13: [43] Formaterat	sbe	2009-06-16 16:30:00
Normal, Höger		
Sid. 13: [44] Formaterat	sbe	2009-06-16 16:21:00
Teckensnitt:(Standard) Arial, 10 pt, Fet		
Sid. 13: [44] Formaterat	sbe	2009-06-16 16:22:00
Teckensnitt:(Standard) Arial, 10 pt		
Sid. 13: [44] Formaterat	sbe	2009-06-16 16:22:00

Teckensnitt:(Standard) Times New Roman, 12 pt, Inte Fet

Sid. 13: [45] Formaterat

sbe

2009-06-16 16:22:00

Teckensnitt:(Standard) Times New Roman, 12 pt

Sid. 13: [46] Formaterat

sbe

2009-06-16 16:30:00

Teckensnitt:(Standard) Times New Roman, Inte Fet

Sid. 13: [47] Formaterat

sbe

2009-06-16 16:30:00

Normal, Höger

Sid. 13: [48] Formaterat

sbe

2009-06-16 16:30:00

Teckensnitt:10 pt

Sid. 13: [49] Formaterat

sbe

2009-06-16 16:30:00

Höger

Table 1
Change to list of installations

Member State: Sweden
Reporting Period: 2008

A		B	C		D	E	F	G	H		I	J
Installation		Installation ID code	Operator Name	Main Annex I activity ^(a)	Other Annex I activities ^(a)	Main non-Annex I activity ^(b)	Change compared with instal- lations included in NAP ^(c)	Quantity	Year(s)	Transaction identification code ^(e)		
Permit ID code												
SE-12-563-037090-2004	SE-521	Scandust AB		F2			Falling below capacity thresholds					
SE-01-563-047902-2008	SE-718	Vattenfall AB		E1			New entrant	0	2008			
SE-01-563-047906-2008	SE-719	Vattenfall AB		E1			New entrant	0	2008			
SE-01-563-047904-2008	SE-720	Vattenfall AB		E1			New entrant	0	2008			
SE-01-563-047900-2008	SE-721	Vattenfall AB		E1			New entrant	0	2008			
SE-01-563-047903-2008	SE-735	Vattenfall AB		E1			New entrant	0	2008			
SE-08-563-9971-2008	SE-713	Swedwood Hultsfred AB		E1			New entrant	3016	2008	SE-9012		
SE-03-563-0018285-2008	SE-789	E-ON Mälarkraft Värme AB		E1			New entrant	0	2008			
SE-03-563-0017363-2008	SE-788	E-ON Mälarkraft Värme AB		E1			New entrant	0	2008			
SE-21-563-012716-2004	SE-18	AB Fortum Värme samägt med Stockholms stad		E1			Closure	0	2008			
SE-24-563-013691-2004	SE-506	Uned Energi		E1			Closure	280	2008			
SE-18-563-013433-2004	SE-122	Hällefors värme AB		E1			Closure					
SE-18-563-012550-2004	SE-571	Hällefors värme AB		E1			Closure					
SE-25-563-018638-2004	SE-119	Häparanda Värmeverk AB		E1			Falling below capacity thresholds	0	2008			
SE-12-563-12942-2009	SE-795	Knauf Danogips GmbH		E1			New entrant					
SE-14-563-059266-2004	SE-116	Göteborg Energi AB		E1			Closure					
SE-09-563-006136-2004	SE-307	Vattenfall AB Värmekraft		E1			Closure					
SE-12-563-048925-2004	SE-294	Varvstaden AB		E1			Closure					
SE-09-563-006136-2004	SE-307	Vattenfall AB		E1			Closure					
SE-14-563-036402-2004	SE-391	Klippan Mölndal AB Mölndals bruk					Closure					
SE-07-563-007720-2004	SE-466	Smurfit Munksjö Laganmill AB					Closure					
SE-18-563-012550-2004	SE-571	Hällefors värme AB		E1			Closure					
SE-01-563-018318-2005	SE-702	Vattenfall AB		E1			Closure					
SE-06-563-016871-2006	SE-725	Vetlanda Energi & Teknik AB		E1			New entrant	243	2008			
SE-14-563-039946-2004	SE-503	Perstorp Oxo AB		E1			New entrant	103 304	2008	SE-7209, SE-7618		
SE-20-563-011956-2004	SE-214	Falu Energi och Vatten AB		E1			New entrant	220	2008	SE-7613		
SE-24-563-001342-2008	SE-781	Uned Energi AB		E1			New entrant					
SE-05-563-018517-2004	SE-477	Swedish Tissue AB		O2			New entrant	9 541	2008	SE-7872, SE-9001		
SE-14-563-030996-2004	SE-413	Rexan Glass Linnared AB		M2			New entrant	82 173	2008	SE-7123, SE-7615		
SE-08-563-010985-2004	SE-353	Arla Foods AB		E1			New entrant	4 832	2008			
SE-12-563-043981-2004	SE-63	C4 Energi		E1			New entrant	55	2008	SE-7611		
SE-09-563-005614-2004	SE-406	Cemita AB		M1			New entrant	1 769 606	2008	SE-7116, SE-8999		
SE-12-563-037466-2004	SE-242	E.ON Värmekraft Sverige AB			E1		New entrant	0	2008			
SE-05-563-015373-2004	SE-32	Fiskeby board		O2			New entrant	5 629	2008			
SE-14-563-069252-2004	SE-128	Göteborg Energi AB		E1			New entrant	612891	2008	SE-9007		
SE-12-563-066543-2006	SE-779	Kraftingen produktion AB		E1			New entrant					
SE-25-563-017737-2007	SE-498	LKAB Malinberget		F1	E1		New entrant	132 551	2008	SE-7205, SE-7617		
SE-25-563-017737-2007	SE-497	LKAB Kiruna		F1	E1		New entrant	319 175	2008	SE-7204, SE-9033		
SE-04-563-013437-2007	SE-770	SEVAB Strängnäs Energi AB		E1			New entrant	0	2008			

A		B		C		D		E		F		G		H		I		J	
Permit ID code	Installation	Installation ID code		Operator	Name	Main Annex I activity ^(a)		Other Annex I activities ^(a)		Main non-Annex I activity ^(b)		Change compared with installations included in NAP ^(c)		Allowances allocated or issued ^(d)		Year(s)		Transaction identification code ^(e)	
SE-24-563-007249-2007		SE-762		Skellefteå Kraft AB		E1						New entrant		21961		2008		SE-9010	
SE-04-563-011683-2004		SE-494		SSAB Oxelösund		F2						New entrant		2 832 593		2008		SE-7201, SE-7616	
SE-563-20424-2007		SE-760		Söderenergi AB		E1						New entrant							
SE-14-563-024590-2007		SE-754		Tidöholms Energi AB		E1						New entrant		201		2008		SE-9009	
SE-22-563-010573-2007		SE-771		Övik Energi AB		E1						New entrant		10		2008		SE-7614	
SE-22-563-010575-2007		SE-772		Övik Energi AB		E1		E1				New entrant							

^(a) The same installation can carry out activities falling under different subheadings. All relevant activities should be indicated. Please use the codes for Annex I activities listed in the table to question 3.3.

^(b) The main activity at an installation can be other than an Annex I activity. Please fill in where relevant.

^(c) Please indicate 'new entrant', 'closure' or 'falling below capacity thresholds'.

^(d) For new entrants, please indicate the years for which the quantity of allowances was allocated. For closures, please indicate allowances issued during the remaining trading period, if applicable.

^(e) For new entrants, please indicate the code associated with the allocation of the allowances.

Table 2

Monitoring methods applied (only for installations contributing cumulatively to 50% of the total emissions included in the trading scheme.
No information needs to be reported for sources within these installations with annual emissions below 25 t CO₂ eq.)

Member State: Sweden

Reporting Period: 2008

A		B		C	D	E	F		G	H	I	J	K	L	M	N	O	P		
Permit ID code	Installation	Main Annex I activity ^(a)	Total annual emissions ^(b)	Annex I activity ^(c)	Emission source	Related emissions ^(b)	Activity data	Emission factor	Net calorific value	Oxidation factor	Values		Net calorific value	Oxidation factor						
											Unit ^(d)	Value								
SSAB Oxelösund AB SE-04-563-011683-2004		F2	2 334 970	F2	Coking coal	1 600 161	4													
					Coke	446 277	3													
					PCI-coal	409 870	4													
					E05	52 115	4													
Luleåkraft AB SE-25-563-016191-2004		E1	2 229 736	E1	Mixed process gases (transferred from SE-495)	2 198 958	3a	3	3	1			282	t CO2/TJ	0.000003596	TJ/m3	100%			
					E02-WPRD	28 201	2a	2a	2	1	76	t CO2/TJ	0.03816	TJ/m3	100%					
Preem Petroleum AB SE-14-563-055527-2004		E2	1 769 903	E2	Refinery gas	112 469	4a	3	3	1			2 374	tCO2/t	0		99.5%			
					Refinery gas	755 732	4a	3	3	1	2 835	tCO2/t	0		99.5%					
					Refinery gas	108 476	4a	3	3	1	2 668	tCO2/t	0		99.5%					
					Refinery gas	26 020	3	2	2	1	2 708	tCO2/t	0		99.5%					
Cementia AB SE-09-563-005614-2004		M1	1 541 171	M1	Catalytic regeneration	218 414	2	2				3 427	tCO2/t	0						
					Hydrogen gas production	509 262	2	2			1 108	tCO2/t	0							
SSAB Tumpå AB SE-25-563-017244-2004		F2	1 252 731	F2	Dust coal	358 351	3b	3	3	1			93.7	t CO2/TJ	0.02346	TJ/t	100%			
					Petroleum coke	78 116	3b	3	3	1	92.0	t CO2/TJ	0.03084	TJ/t	100%					
					Processed fuel	25 949	3b	3	3	1	82.7	t CO2/TJ	0.01974	TJ/t	100%					
					Rubber fuel	58 200	3b	3	3	1	81.5	t CO2/TJ	0.03393	TJ/t	100%					
Borealis AB SE-14-563-057291-2004		E1	615 596	E1	Clinker production	995 642	2b	2				0.529	tCO2/t	0						
					Coke gas	200 579	3	3	1		41.393	t CO2/TJ	0.0171869	TJ/Nm3						
					Blast furnace gas in cowper	750 223	3	3	1		316.007	t CO2/TJ	0.0030334	TJ/Nm3						
					Top flame	205 927	3	3	1		313.114	t CO2/TJ	0.0030713	TJ/Nm3						
AB Fortum Värme samägt med Stockholms stad SE-01-563-071855-2004		E1	610 389	E1	LD-gastorch	88 134	3	3	1			206.836	t CO2/TJ	0.00785	TJ/Nm3					
					Blamigas	100 913	4a	3	3	2	2.608	tCO2/t	0		99.5%					
		E1	497 454	E1	Blamigas	497 454	4a	3	3	2		2.448	tCO2/t	0		99.5%				
					Coal	589 488	3a	3	3	3	93.405	t CO2/TJ	0.0260118	TJ/t	98.985%					

^(a) The same installation can carry out activities falling under different subheadings. The main Annex I activity should be indicated. Please use the codes for Annex I activities listed in the table to question 3.3.

^(b) Verified emissions if available, otherwise emissions as reported by the operator.

^(c) The same installation can carry out activities falling under different subheadings. For each fuel or activity type the Annex I activity should be indicated. Please use the codes for Annex I activities listed in Table 1.

^(d) Hard coal, natural gas, steel, lime, etc. Please use a separate line for each fuel or activity if more than one fuel or activity is carried out in the same installation.

^(e) Only to be filled out if emissions are calculated.

^(f) kg CO₂/kWh, t CO₂/kg, etc.

^(g) kJ/kg, kJ/m³, etc.

^(a) The same installation can carry out activities falling under different subheadings. The main Annex I activity should be indicated. Please use the codes for Annex I activities listed in Table 1.

^(b) Verified emissions if available, otherwise emissions as reported by the operator.

^(c) The same installation can carry out activities falling under different subheadings. For each fuel or activity type the Annex I activity should be indicated. Please use the codes for Annex I activities listed in Table 1.

^(d) Hard coal, natural gas, steel, lime, etc. Please use a separate line for each fuel or activity if more than one fuel or activity is carried out in the same installation.

^(e) Only to be filled out if emissions are calculated.

^(f) kg CO₂-equiv./t CO₂-eq. etc.

^(g) kJ/kg, kJ/m³, etc.

Table 3

Monitoring methods applied for installations for which it has not been feasible to use the minimum tiers specified in Table 1 of Section 4.2.2.1.4 of Decision (2004/156/EC)

Member State: Sweden

Reporting Period: 2008

A	B	C	D	E	F	G	H	I
Permit ID code	Installation ID code	Annex I activity ^(a)	Total annual emissions t CO ₂	Affected monitoring parameter ^(b)	Minimum tier according to MRG	Tier applied	Reason for lower tier ^(c)	Lower tier permitted until ^(d)
SE-04-563-012095-2004	SE-149	E1	774					
SE-04-563-012092-2004	SE-150	E1	1 123					
SE-03-563-012236-2004	SE-310	E1	284 646					
SE-01-563-072561-2004	SE-319	E1	0					
SE-25-563-15784-2004	SE-447	O2	24 355					
SE-18-563-011979-2004	SE-457	O1	518					
SE-13-563-010858-2004	SE-488	F2	22 238					
SE-12-563-043428-2004	SE-489	F2	235 170					
SE-01-563-047902-2008	SE-718	E1	25					
SE-01-563-047906-2008	SE-719	E1	144					
SE-01-563-047904-2008	SE-720	E1	99					
SE-01-563-047900-2008	SE-721	E1	60					
SE-01-563-047903-2008	SE-735	E1	576					
SE-10-563-006542-2006	SE-763	E1	0					
SE-14-563-060902-2004	SE-59	E1	6 505					
SE-12-563-043981-2004	SE-63	E1	351					
SE-12-563-043988-2004	SE-64	E1	0					
SE-13-563-009201-2004	SE-67	E1	14					
SE-13-563-009205-2004	SE-68	E1	5 048					
SE-13-563-009202-2004	SE-69	E1	38					

A	B	C	D	E	F	G	H	I
Permit ID code	Installation ID code	Annex I activity ^(a)	Total annual emissions t CO ₂	Affected monitoring parameter ^(b)	Minimum tier according to MRG	Tier applied	Reason for lower tier ^(c)	Lower tier permitted until ^(d)
SE-09-563-006078-2004	SE-85	EI	1					
SE-09-563-006021-2004	SE-86	EI	0					
SE-09-563-006204-2004	SE-87	EI	1 270					
SE-09-563-006079-2004	SE-88	EI	0					
SE-08-563-008234-2004	SE-91	EI	955					
SE-08-563-008235-2004	SE-92	EI	2 268					
SE-08-563-008237-2004	SE-93	EI	0					
SE-12-563-043893-2004	SE-124	EI	3 520					
SE-10-563-004978-2004	SE-141	EI	3 506					
SE-10-563-004980-2004	SE-142	EI	550					
SE-17-563-010635-2004	SE-143	EI	233					
SE-17-563-010637-2004	SE-144	EI	55					
SE-17-563-010639-2004	SE-145	EI	2 430					
SE-17-563-010641-2004	SE-146	EI	345					
SE-17-563-010643-2004	SE-147	EI	2					
SE-07-563-005242-2004	SE-176	EI	1 161					
SE-01-563-076161-2004	SE-201	EI	166					
SE-06-563-014071-2004	SE-202	EI	7 302					
SE-14-563-056191-2004	SE-254	EI	802					
SE-12-563-040399-2004	SE-256	EI	158 985					
SE-13-563-010577-2004	SE-251	EI	8					
SE-14-563-056195-2004	SE-260	EI	0					
SE-14-563-056194-2004	SE-261	EI	44					
SE-05-563-017194-2004	SE-279	EI	0					
SE-05-563-017196-2004	SE-281	EI	929					
SE-05-563-017188-2004	SE-282	EI	341					
SE-05-563-017197-2004	SE-283	EI	931					

A	B	C	D	E	F	G	H	I
Permit ID code	Installation ID code	Annex I activity ^(a)	Total annual emissions t CO ₂	Affected monitoring parameter ^(b)	Minimum tier according to MRG	Tier applied	Reason for lower tier ^(c)	Lower tier permitted until ^(d)
SE-05-563-017190-2004	SE-284	EI	75					
SE-05-563-017084-2004	SE-285	EI	0					
SE-24-563-013684-2004	SE-293	EI	34					
SE-01-563-076167-2004	SE-622	EI	0					
SE-24-563-013686-2004	SE-295	EI	3					
SE-24-563-013912-2004	SE-296	EI	32 858					
SE-01-563-076172-2004	SE-623	EI	8					
SE-07-563-006627-2004	SE-335	EI	41					
SE-07-563-006626-2004	SE-336	EI	11					
SE-05-563-015377-2004	SE-338	EI	77					
SE-01-563-076196-2004	SE-624	EI	46					
SE-01-563-070747-2004	SE-346	EI	20 428					
SE-14-563-047103-2004	SE-350	EI	42 551					
SE-25-563-014600-2004	SE-392	EI	396					
SE-22-563-013763-2004	SE-403	EI	1 259					
SE-09-563-005614-2004	SE-406	M1	1 541 171					
SE-19-563-011723-2004	SE-409	M3	5 643					
SE-13-563-010737-2004	SE-412	M2	163 321					
SE-05-563-018714-2004	SE-420	M3	24 708					
SE-14-563-052091-2004	SE-424	E2	539 306					
SE-14-563-055527-2004	SE-426	E2	1 769 903					
SE-17-563-010253-2004	SE-432	O1	44942					
SE-05-563-017962-2004	SE-443	O2	78 863					
SE-14-563-050033-2004	SE-450	O2	17 511					
SE-13-563-011900-2004	SE-470	O2	52 796					
SE-17-563-010645-2004	SE-475	O2	63 208					
SE-21-563-012503-2004	SE-483	O1	8 353					

A	B	C	D	E	F	G	H	I
Installation		Annex I activity ^(a)	Total annual emissions t CO ₂	Affected monitoring parameter ^(b)	Minimum tier according to MRG	Tier applied	Reason for lower tier ^(c)	Lower tier permitted until ^(d)
Permit ID code	Installation ID code							
SE-03-563-013707-2004	SE-486	F2	3 330					
SE-17-563-011951-2004	SE-493	F2	19 858					
SE-25-563-017737-2007	SE-497	F1	353 256					
SE-25-563-013336-2007	SE-498	F1	109 059					
SE-25-563-017738-2007	SE-499	F1	110 280					
SE-10-563-004986-2004	SE-540	E1	15					
SE-08-563-008238-2004	SE-558	E1	233					
SE-07-563-005238-2004	SE-506	E1	0					
SE-07-563-005235-2004	SE-604	E1	0					
SE-07-563-005239-2004	SE-607	E1	0					
SE-07-563-005240-2004	SE-608	E1	0					
SE-10-563-006104-2004	SE-629	E1	0					
SE-23-563-011452-2004	SE-707	E1	4 989					
SE-13-563-009204-2004	SE-548	E1	37					
SE-05-563-017183-2004	SE-660	E1	878					
SE-05-563-018112-2004	SE-663	E1	56					
SE-06-563-015133-2004	SE-628	E1	256					
SE-06-563-015131-2004	SE-627	E1	19					
SE-06-563-015132-2004	SE-626	E1	2					
SE-05-563-017192-2004	SE-661	E1	22					
SE-05-563-017185-2004	SE-662	E1	0					
SE-17-563-012511-2004	SE-564	E1	191					
SE-08-563-014513-2007	SE-167	E1	70					
SE-08-563-009302-2005	SE-706	E1	205					
SE-07-563-002690-2005	SE-710	E1	142					
SE-17-563-010425-2005	SE-751	E1	171					
SE-24-563-011617-2006	SE-744	E1	170					

A		B	C	D	E	F	G	H	I
Permit ID code	Installation ID code	Installation		Total annual emissions	Affected monitoring parameter ^(b)	Minimum tier according to MRG	Tier applied	Reason for lower tier ^(c)	Lower tier permitted until ^(d)
		Annex I activity ^(a)	t CO ₂						
SE-07-563-000759-2007	SE-755	EI	24						
SE-22-563-010573-2007	SE-771	EI	1						
SE-22-563-010575-2007	SE-772	EI	191						
SE-17-563-008715-2007	SE-761	EI	2						
SE-10-563-008405-2007	SE-774	EI	126						
SE-22-563-013766-2004	SE-345	EI	430						
SE-17-563-007079-2008	SE-783	EI	15						
SE-07-563-005234-2004	SE-610	EI	0						
SE-07-563-005241-2004	SE-609	EI	0						
SE-12-563-046586-2004	SE-695	EI	0						
SE-12-563-046584-2004	SE-696	EI	0						
SE-12-563-046585-2004	SE-697	EI	0						
SE-22-563-014038-2004	SE-699	EI	0						
SE-17-563-013693-2004	SE-589	EI	144						
SE-14-563-059592-2005	SE-715	EI	240						
SE-08-563-9971-2008	SE-713	EI	14 251						

^(a) The same installation can carry out activities falling under different subheadings. The main activity should be indicated. Please use the codes for Annex I activities listed in the table to question 3.3.

^(b) Please use the following notation keys: activity data (AD), net calorific value (NCV), emission factor (EF), composition data (CD), oxidation factor (OF), conversion factor (CF).

^(c) Please use the following notation keys: technically not feasible, unreasonable high costs, other (please specify).

Table 4

Temporary change of monitoring method

Member State: Sweden
Reporting Period: 2008

A Permit ID code	B Installation ID code	C Annex I activity ^(a)	D Total annual emissions t CO ₂	E Affected moni- toring para- meter ^(b)	F Original method approved Tier		G Temporary method applied Tier	H Reason for temporary change ^(c)	I Period of temporary suspension until restoration of appropriate tier method Beginning Month/year		J End Month/year
					2a	3b			01/2008	08/2008	
SE-01-563-064820-2004	SE-305	E1	192	AD			2b	FMD	01/2008		12/2008
SE-24-563-013912-2004	SE-296	E1	32 858	AD	3b		22§ (No tier)	CIF	08/2008		09/2008
SE-24-563-013912-2004	SE-296	E1	32 858	AD	3b		22§ (No tier)	CIF	08/2008		12/2008
SE-14-563-052091-2004	SE-424	M2	539 306	OF	4a		1	FMD	10/2008		No data
SE-14-563-059243-2004	SE-445	O2	28 960	AD	4b		3b	TLD	11/2008		12/2008
SE-05-563-017183-2004	SE-660	E1	878	AD	4b		1b	Adjustment to new instructions (NFS 2007:5)	02/2008		12/2008
SE-24-563-013691-2004	SE-506	E1	4 244	AD	1a		23§ (No tier)	FMD	07/2008		10/2008

^(a) The same installation can carry out activities falling under different subheadings. The main activity should be indicated. Please use the codes for Annex I activities listed in the table to question 3.3.

^(b) Please use the following notation keys: activity data (AD), net calorific value (NCV), emission factor (EF), composition data (CD), oxidation factor (OF), conversion factor (CF).

If several values in an installation are affected, fill out one row per value.

^(c) Please use the following notation keys: failure in measurement devices (FMD), temporary lack of data (TLD), changes in installation, fuel type, etc. (CIF), other (please specify).

Table 5
Number of installations applying continuous emission measurement

Member State: Sweden

Reporting Period: 2008

A	B	C	D
Main Annex I activity ^(a)	< 50 000 t CO ₂ e	50 000 to 500 000 t CO ₂ e	> 500 000 t CO ₂ e
E1	9	1	
E2			
E3			
F1			
F2			
M1			
M2			
M3			
O1			
O2			

^(a) Please refer to the table under question 3.3. for a description of the Annex I activity codes. If an installation carries out more than one activity, it should only be counted once under its main Annex I activity.

Table 6

Emissions reports under Article 14(3) of the ET Directive not validated as satisfactory

Member State: Sweden
Reporting Period: 2008

A		B	C	D	E	F	G
Permit ID code	Installation	Installation ID code	Emissions reported from installations t CO ₂	Allowances surrendered t CO ₂	Allowances blocked in operator holding account t CO ₂	Reason for no positive verification statement ^(a)	Correction of verified emissions by competent authority t CO ₂
SE-20-563-015326-2004		SE-487	61 511	78 201	48 027	NR: The operator has not used the monitoring tier for steel scrap stated in the current permit.	
SE-14-563-052075-2004		SE-74	201	201		NR: The statement from the verifier was not submitted in time.	
SE-23-563-009475-2004		SE-125	23 934	23 934		NR: The statement from the verifier was not submitted in time.	
SE-23-563-010341-2004		SE-126	1 712	1 712		NR: The statement from the verifier was not submitted in time.	
SE-23-563-010844-2004		SE-127	306	306		NR: The statement from the verifier was not submitted in time.	
SE-23-563-010846-2004		SE-580				NR: The statement from the verifier was not submitted in time.	
SE-23-563-010845-2004		SE-579	67	67		NR: The statement from the verifier was not submitted in time.	
SE-23-563-010847-2004		SE-577				NR: The statement from the verifier was not submitted in time.	
SE-23-563-010848-2004		SE-581				NR: The statement from the verifier was not submitted in time.	
SE-23-563-009476-2004		SE-508	3 270	3 270		NR: The statement from the verifier was not submitted in time.	
SE-23-563-010849-2004		SE-578	21	21		NR: The statement from the verifier was not submitted in time.	

^(a) Please use the following notation keys: reported data is not free of inconsistencies and material misstatement (NFI), collection of data has not been carried out in accordance with the applicable scientific standards (NASS), relevant records of installation are not complete and/or consistent (RNC), verifier was not provided with access to all sites and information related to the subject of verification (VNA), no report was produced (NR), other (please specify).

Table 7

Installations for which no emission reports were provided by 31 March of the reporti

Member State: Sweden

Reporting Period: 2008