

Installation AEM Report

Guidelines

1. Directive 2003/87/EC (the "ETS Directive") requires operators of installations which are included in the European Union Emission Trading Scheme (the EU ETS) to hold a valid GHG/EIE emission permit issued by the relevant Competent Authority and to monitor and report their emissions, and have the reports verified in accordance with Article 15 of the EU ETS Directive and the Regulation pursuant to that Article.

The Directive can be downloaded from:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:2003L0087:20090625:EN:PDF>

2. The Monitoring and Reporting Regulation (Commission Regulation (EU) No 601/2012 of 21 June 2012, hereinafter the "MRR"), defines further requirements for monitoring and reporting.

The MRR can be downloaded from:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:181:0030:0104:EN:PDF>

Article 67(3) of the MRR requires:

The annual emission reports and tonne-kilometre data reports shall at least contain the information listed in Annex X. (Annex X sets out the minimum content of Annual Emissions Reports.) Furthermore, Article 74(1) states:

Member States may require the operator and aircraft operator to use electronic templates or specific file formats for submission of monitoring plans and changes to the monitoring plan, as well as for submission of annual emissions reports, tonne-kilometre data reports, verification reports and improvement reports.

Those templates or file format specifications established by the Member States shall, at least, contain the information contained in electronic templates or file format specifications published by the Commission.

3. This form incorporates the reporting template for installations developed by the Commission services and includes the requirements defined in Annex X as well as further requirements to assist the operator in demonstrating compliance with the MRR.

The form is broken down into a number of sections, which are described below. The form can be completed in any order. In most cases, it will be sensible to complete this in a linear manner. Wherever possible, relevant information from the permit has been automatically copied into the emission report. This is taken from the version of your permit that was effective before the end of the reporting year. Any changes to your installation and/or monitoring plan referenced in variations that have not been issued before the end of the reporting year, will not be copied across. Except where otherwise specified the information copied from the permit can be edited/amended.

Installation Details

The name/address of the installation and a table referencing all of the permits that have been effective during the reporting year are automatically populated. This information is not editable. You will be prompted to enter the NACE code(s) and, where applicable, EPRTTR code(s) for the activities carried out at the installation.

Installation Description

A table of the Annex I activities undertaken, a list of the monitoring approaches applied, a table of the source streams (fuels and/or materials) and a table of emission sources are automatically populated in this section. (Where measurement based monitoring approaches are specified in the permit, this section will also include a table of emissions points.) The information in these tables defines the scope of your report and will be used in subsequent sections of the report form. You may edit, add or delete entries from any of these tables to ensure that the report accurately reflects the scope of your activities. You will be prompted to enter the Common Reporting Format (CRF) category against each of the Annex I activities undertaken. Separate form sections for each of the individual monitoring approaches will be shown, where the monitoring approach has been set to "Yes" and hidden where this has been set to "No".

Data Gaps

You are required to confirm whether any data gaps have been identified during the reporting year. If the answer to this question is "No", then no further information is required. If the answer is "Yes", you are required to complete a table identifying for each data gap, which source stream(s) and emission source(s) the data gap relates to, the period during which the data gap applied, the estimate of carbon dioxide emissions covered by the data gap and any notifications that have been submitted in ETSWAP and which are relevant to the data gap.

Please note that the estimated emissions provided in this table are NOT included in the total emissions for the installation. The emissions should still be reported in the form section for the relevant monitoring approach.

Emissions Summary

This is a read-only form section that summarises the emissions from each applicable section of the report form. The fields are automatically updated following updates to any of the individual form sections. It is presented purely for information purposes.

Abbreviations

Please fill in the table in this section to collate any abbreviations that been used in the emission report. This is an optional form section.

Additional Information

You should only upload additional information to the form if you feel that it provides context to your report data. It is possible to upload Microsoft Office documents (.doc, .xls, .ppt), Adobe Acrobat files (.pdf) and image files (.jpg). Files should be less than 20 MB. This is an optional form section.

Confidentiality

If you consider that specific sections of your emission report are commercially confidential, you can complete the table in this section to justify the reasons for this. Please identify the specific form sections and explain why disclosure would cause an adverse effect to your commercial interests. This is an optional form section.

The sections of the form described below will only be visible if they have been selected as applicable in the Installation Description section. At the top of each of these forms is a radio option button that can be used to show/hide further guidance on the specific monitoring approach.

Calculation

The table that appears in this section is partly populated with the individual source streams and their related emissions sources, as they appear in the table of applied tiers in your permit. Each row of the table contains columns for the calculated fossil and/or biomass carbon dioxide emissions, which will initially be blank. To complete the information, click the Edit link against each row in turn. Having pressed Edit, you will be prompted to enter the information to calculate carbon dioxide emissions for the selected source stream. It may be helpful for you to check what information is required and to ensure this is readily available before starting the process of completing the sub-form. Please note that you will be required to enter ALL of the mandatory fields in this sub-form before the information can be saved in your table.

Each row in the table must be either edited or deleted. Whilst it is possible to delete an entry for a source stream for which there is no consumption, it may be more transparent to state that there has been zero consumption than to delete it completely. Beneath the table is a sub-total of carbon dioxide emissions associated with the fossil and/or biomass source streams in the table. This figure is automatically updated for each row that is edited and is not directly editable.

Measurement

As per the description of calculation above, but with the addition of a column "Emission point reference" that is pre-populated from the permit.

Transferred CO2

As per the description of calculation above, but with the addition of a column "Emission point reference" that is pre-populated from the permit.

Inherent CO2

As per the description of calculation above, but with the addition of a column "Emission point reference" that is pre-populated from the permit.

NB: If this report form is being completed following an application to surrender your permit, or following the revocation of your permit, it must be submitted to the Competent Authority by the date stated in the surrender/revocation notice.

5. All Commission guidance documents on the Monitoring and Reporting Regulation can be found at: http://ec.europa.eu/clima/policies/ets/monitoring/documentation_en.htm

6. General advice on using forms

You can navigate through the form in a linear manner by pressing the "Next Page" and "Previous Page" buttons that appear at the top/bottom of each form section.

Alternatively, you can jump to any section by clicking the respective link in the navigation panel that appears in the top left hand corner of each form page.

It is strongly advised that you save the contents of your report form at regular intervals by pressing the "Save" button that appears at the top/bottom of each form section.

You can create a version of the report in Adobe Acrobat format (.pdf) at any point by clicking the "Print" button that appears at the top/bottom of each form section. You will be prompted to open/save the file created for subsequent viewing/printing.

You can check that the form will meet the validation checks at any time by pressing the "Validate" button that appears at the top/bottom of each form section. Any errors and/or omissions will be highlighted in the form, either directly against individual form fields or by reference to the specific table name.

You can close the form at any time by pressing the "Close" button that appears at the top/bottom of each form section. You will be prompted to save any changes that have been before the form closes. If you don't want to save the changes made in the form, press "Discard Changes" button when prompted.

Installation Details

About your installation and the monitoring plan

Reporting Year

The Installation Name, Site Name and the address of the installation to which this report relates are detailed below. The Site Name and address can be updated from the Organisation Details section in ETSWAP. The grid reference of the site main entrance is taken from the version of your permit which was effective at the end of the reporting year.

Installation name Ford Bridgend Engine Plant**Site name** Bridgend Engine Plant

Address line 1**Address line 2**

Waterton Industrial Estate

City

Bridgend

County

Mid Glam

Postcode

CF31 3PJ

Grid reference of site main
entrance

SS 93333 78727

Reporting under Regulation (EC) no. 166/2006 (EPRTR)

Are emissions from the installation reported under the European Pollutant Release and Transfer Register (EPRTR)?

You should answer "yes" if you are required to supply emissions data to the Competent Authority through one of the following sets of legislation (as amended from time to time):

- The Environmental Permitting Regulations (England and Wales) 2010
- The Pollution Prevention and Control (Scotland) Regulations 2012
- The Pollution Prevention and Control Regulations (Northern Ireland) 2003.

The register can be accessed through the following link: <http://prtr.ec.europa.eu/>.

Does the installation have to
report under the EPRTR?

Yes

Please enter the reference of the permit issued under the relevant set of regulations in the list above.

EPRTR ID

BL2548IF

Please select the EPRTR Annex 1 main activity for your Installation. If you have additional EPRTR Annex 1 main activity please provide in the table below

EPRTR Annex 1 main
activity

1(c)

Use the table below to select other EPRTR activities relevant to the installation (if applicable).

EPRTR Annex I other activities

NACE Codes

Please select the NACE code for your Installation. If you have additional NACE codes please provide them in the table below.

NACE is the “statistical classification of economic activities in the European Community” and is the subject of legislation at the European Union level, which imposes the use of the classification uniformly within all the Member States.

You can view a copy of NACE Revision 2 at:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006R1893:en:NOT>.

Please select the NACE code for the principal activity undertaken at the installation.

Main NACE Code

Principal NACE code: Use the table below to select other NACE codes relevant to the installation (if applicable).

NACE Code**Monitoring Plan Versions**

Listed below are the versions of your Monitoring Plan which were effective during the reporting year. The Monitoring Plan Versions are ordered by effective date in descending order.

Monitoring Plan Version Number	Effective date
UK-W-IN-11500 v9.0	28/01/2013
UK-W-IN-11500 v10.0	23/05/2014
UK-W-IN-11500 v11.0	09/09/2014

Have there been any deviations from your approved monitoring plan during the reporting year?

Verifier Details

If you have specified a default verifier on your Organisation Details page then details of that verifier will be automatically populated here. If you have not specified a default verifier then this section will be populated automatically when the AEM Report is verified.

Verifier Name and Address

Company Name	Lucideon CICS Limited
Address Line 1	Queens Road
Address Line 2	Penkhull
City	Stoke-on-Trent
State/Province/Region	Staffordshire
Postcode/Zip	ST4 7LQ
Country	United Kingdom

Verifier Contact

Title	
First Name	Michelle
Surname	Simons
E-mail Address	michelle.simons@lucideon.com
Telephone Number	01782 764481

Verifier Accreditation Information

Accreditation Member State	UK
Registration Number issued by the accreditation body	006

Installation Description**Report Purpose**

Report Purpose	Annual Emissions Report
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Annex I Activities

Please provide the following technical details for each activity pursuant to Annex I of the EU ETS Directive carried out at your installation.

Please also provide the capacity of each Annex I activity relevant at your installation.

Please note that 'capacity' in this context means:

- Rated thermal input (for activities whose inclusion in the EU ETS depends on the 20MW threshold), which is the rate at which fuel can be burned at the maximum continuous rating of the installation multiplied by the calorific value of the fuel and expressed as megawatts thermal.
- Production capacity for those specified Annex I activities for which production capacity determines the inclusion in the EU ETS.

Please make sure that the installation boundaries are correct and in line with Annex I of the EU ETS Directive. For further information please consult the relevant sections of the Commission's Guidance on Interpretation of Annex I. This document can be found under the following link:

http://ec.europa.eu/clima/policies/ets/docs/guidance_interpretation_en.pdf

Click the edit link in the table below to select the relevant Common Reporting Format (CRF) for each Annex I activity.

Annex I Activity	CRF Category 1 (Energy)	CRF Category 2 (Process emission)	Total Capacity	Capacity units	Specified Emissions
Combustion	1.A.2.f		69.000	MW	Carbon Dioxide

Monitoring Approaches

In accordance with Article 21, emissions may be determined using either a calculation based methodology ("calculation") or measurement based methodology ("measurement") except where the use of a specific methodology is mandatory according to the provisions of the MRR.

Please confirm which of the following monitoring approaches have been applied during the monitoring period:

Calculation	<input type="text" value="Yes"/>
Measurement	<input type="text" value="No"/>
Monitoring of N2O	<input type="text" value="No"/>
Monitoring of PFC	<input type="text" value="No"/>
Monitoring of transferred / inherent CO2 and CCS	<input type="text" value="No"/>
Fall-back approach	<input type="text" value="No"/>

Relevant Source Streams (fuels and/or materials)

The table below lists the source streams that have been used in Annex I Activities at the installation. The entries in this table are used to populate drop down selection boxes used elsewhere in this report and are pre-populated with the source streams listed in the approved permit. (If you need to add further source streams to this table, please use a consistent format for the Source Stream Reference such as F1, F2, F3 etc. for fuels and M1, M2, M3 etc. for materials.)

Source Stream Reference	Source Stream Type	Source Stream Description
F1	Combustion: Other gaseous & liquid fuels	Natural Gas
F2	Combustion: Commercial standard fuels	Petrol
F3	Combustion: Commercial standard fuels	Gas/Diesel Oil
F4	Combustion: Commercial standard fuels	Liquefied Petroleum Gases
F5	Combustion: Other gaseous & liquid fuels	Acetylene

Emission Sources

The table below lists the emission sources that are linked to the Regulated Activities at the installation. The entries in this table are used to populate drop down selection boxes used elsewhere in this report and are pre-populated with the emission sources listed in the approved permit. (If you need to add further source streams to this table, please use a consistent format for the Emission Source Reference such as S1, S2, S3 etc.)

Emission Source Reference	Emission Source Description
S1	Main Boiler House (Boilers B1-B5) & miscellaneous small boilers
S3	Petrol Hot Test Cells & Engine Evaluation
S4	Diesel Fire Pumps
S5	Torpedo Propane Heaters
S6	Acetylene Hot Working
S7	Temporary and emergency equipment

Calculation

Guidance

Show guidance?

Emissions from Source Streams

Please complete the following table summarising the emissions from fossil fuels and/or materials for each type of Annex I activity. The entries in this table are populated with the individual source streams and their related emissions sources, as they appear in the table of applied tiers in your permit. You can add further rows to the table as necessary.

Source Stream Ref: F1

Source Stream Type: Combustion: Other gaseous & liquid fuels

Emission Source Refs: S1

Waste Catalogue Number:

Does this Source Stream contain biomass? No

Activity Data

Is Activity Data based on aggregation of metering of quantities (i.e. not on continuous metering)? No

Tier Applied: 2

Tier Used: 2

Value: 4725283.208 Nm3

(prelim) Emission Factor

Tier Applied: 2a

Tier Used: 2a

Value: 56.5032 tCO2/TJ

Net Calorific Value

Tier Applied: 2a

Tier Used: 2a

Value: 0.0372429822710004 GJ/Nm3

Oxidation Factor

Tier Applied: 2

Tier Used: 2

Value: 1

Tiers Valid From: 01 Jan 2014

Tiers Valid Until: 31 Dec 2014

Calculated Emissions

Calculated tCO2 eq. emissions: 9943.63874

Calculated tCO2 eq. emissions from biomass: 0

Disagree with calculated figures: No

Source Stream Ref: F3

Source Stream Type: Combustion: Commercial standard fuels

Emission Source Refs: S1,S4

Waste Catalogue Number:

Does this Source Stream contain biomass? No

Activity Data

Is Activity Data based on aggregation of metering of quantities (i.e. not on continuous metering)? No

Tier Applied: No tier

Tier Used: No Tier

Value: 6.18 Tonnes

(prelim) Emission Factor

Tier Applied: 2a

Tier Used: 2a

Value: 74.14868795 tCO2/TJ

Net Calorific Value

Tier Applied: 2a

Tier Used: 2a

Value: 43.02166482 GJ/Tonne

Oxidation Factor

Tier Applied: 2

Tier Used: 2

Value: 1

Tiers Valid From: 01 Jan 2014

Tiers Valid Until: 31 Dec 2014

Calculated Emissions

Calculated tCO2 eq. emissions: 19.7142

Calculated tCO2 eq. emissions from biomass: 0

Disagree with calculated figures: No

Source Stream Ref: F2

Source Stream Type: Combustion: Commercial standard fuels

Emission Source Refs: S3

Waste Catalogue Number:

Does this Source Stream contain biomass? No

Activity Data

Is Activity Data based on aggregation of metering of quantities (i.e. not on continuous metering)? Yes

Open: 56.37

Close: 37.81

Import: 281.43

Export: 0

Tier Applied: 2

Tier Used: 2

Value: 299.99 Tonnes

(prelim) Emission Factor

Tier Applied: 2a

Tier Used: 2a

Value: 69.99791971 tCO₂/TJ

Net Calorific Value

Tier Applied: 2a

Tier Used: 2a

Value: 44.78704529 GJ/Tonne

Oxidation Factor

Tier Applied: 2

Tier Used: 2

Value: 1

Tiers Valid From: 01 Jan 2014

Tiers Valid Until: 31 Dec 2014

Calculated Emissions

Calculated tCO₂ eq. emissions: 940.46865

Calculated tCO₂ eq. emissions from biomass: 0

Disagree with calculated figures: No

Source Stream Ref: F4

Source Stream Type: Combustion: Commercial standard fuels

Emission Source Refs: S5

Waste Catalogue Number:

Does this Source Stream contain biomass? No

Activity Data

Is Activity Data based on aggregation of metering of quantities (i.e. not on continuous metering)? Yes

Open: 0

Close: 0

Import: 5.394

Export: 0

Tier Applied: No tier

Tier Used: No Tier

Value: 5.394 Tonnes

(prelim) Emission Factor

Tier Applied: 2a

Tier Used: 2a

Value: 64.66864189 tCO2/TJ

Net Calorific Value

Tier Applied: 2a

Tier Used: 2a

Value: 45.39917468 GJ/Tonne

Oxidation Factor

Tier Applied: 2

Tier Used: 2

Value: 1

Tiers Valid From: 01 Jan 2014

Tiers Valid Until: 31 Dec 2014

Calculated Emissions

Calculated tCO2 eq. emissions: 15.83626

Calculated tCO2 eq. emissions from biomass: 0

Disagree with calculated figures: No

Source Stream Ref: F5

Source Stream Type: Combustion: Other gaseous & liquid fuels

Emission Source Refs: S6

Waste Catalogue Number:

Does this Source Stream contain biomass? No

Activity Data

Is Activity Data based on aggregation of metering of quantities (i.e. not on continuous metering)? Yes

Open: 0

Close: 0

Import: 0.06

Export: 0

Tier Applied: No tier

Tier Used: No Tier

Value: 0.06 Tonnes

(prelim) Emission Factor

Tier Applied: No tier

Tier Used: 1

Value: 3.38 tCO₂/Tonne

Net Calorific Value

Tier Applied: N/A

Tier Used: 1

Value: 48.2 GJ/Tonne

Oxidation Factor

Tier Applied: N/A

Tier Used: 1

Value: 1

Tiers Valid From: 01 Jan 2014

Tiers Valid Until: 31 Dec 2014

Calculated Emissions

Calculated tCO₂ eq. emissions: 0.2028

Calculated tCO₂ eq. emissions from biomass: 0

Disagree with calculated figures: No

Tier Changes

Changes made to applied tiers: Change in tier as advised by verifier.

Source Stream Ref: F3**Source Stream Type:** Combustion: Commercial standard fuels**Emission Source Refs:** S7**Waste Catalogue Number:****Does this Source Stream contain biomass?** No**Activity Data****Is Activity Data based on aggregation of metering of quantities (i.e. not on continuous metering)?** No**Tier Applied:** No tier**Tier Used:** No Tier**Value:** 17.52 Tonnes**(prelim) Emission Factor****Tier Applied:** 2a**Tier Used:** 2a**Value:** 74.14868795 tCO2/TJ**Net Calorific Value****Tier Applied:** 2a**Tier Used:** 2a**Value:** 43.02166482 GJ/Tonne**Oxidation Factor****Tier Applied:** 2**Tier Used:** 2**Value:** 1**Tiers Valid From:** 01 Jan 2014**Tiers Valid Until:** 31 Dec 2014**Calculated Emissions****Calculated tCO2 eq. emissions:** 55.8888**Calculated tCO2 eq. emissions from biomass:** 0**Disagree with calculated figures:** No

Emissions tCO2 (fossil)

10975.749

Emissions tCO2 (biomass)

Data Gaps**Data Gaps identified during the reporting year**

Are there any data gaps identified during the reporting year?

No

Emissions Summary**Emissions Summary**

This section provides a summary of your reportable emissions derived from the data entered earlier in the form. This is for information only, no data needs to be entered here.

Source Streams

These are the installation's reportable emissions from source streams. This data is taken from the Calculation and PFC Emissions sections

	Emissions (fossil) tCO2(e)	Emissions (biomass) tCO2	Emissions (non-sust. biomass) tCO2
Combustion	10975.749		
Process Emissions			
Mass balance			
PFC Emissions			

Measurement

These are the installation's reportable emissions from measurement based approaches. This data is taken from the CO2 Measurement, N2O Measurement, Transferred CO2 and Inherent CO2 sections.

	Emissions (fossil) tCO2(e)	Emissions (biomass) tCO2
CO2		
N2O		
CO2 transfer		

Fall-back

These are the installation's reportable emissions that are reported under the Fall-back Approach Section

	Emissions (fossil) tCO2(e)	Emissions (biomass) tCO2
Fall-back		

Total Emissions

The total reportable emissions is equal to the number of allowances that should be surrendered by the operators of Greenhouse Gas emissions permits. (NB: Operators of opted out installations are not required to surrender allowances.)

Total reportable emissions	10976	tCO2(e)
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Memo Items

These are the installation's total biomass emissions. (NB: non-sustainable biomass emissions are also included in the total reportable emissions above.)

Total sustainable biomass emissions	[]	tCO2(e)
Total non-sustainable biomass emissions	[]	tCO2(e)

Abbreviations

Abbreviations, Acronyms or Definitions

Please list any abbreviations, acronyms or definitions that you have used in completing this form.

Abbreviation	Definition

Additional Information

Attachment	Description

Confidentiality**Confidentiality Statement****If you are an Operator regulated by the Environment Agency, Natural Resources Wales or the Northern Ireland Environment Agency:**

The information submitted in respect of this form will be subject to public access to information requirements, including the Freedom of Information Act 2000 and the Environmental Information Regulations 2004.

If you consider that any information you provide in connection with your application should be treated as commercially confidential, please let us know. Under the Environmental Information Regulations the test is whether there would be an adverse effect on the confidentiality of commercial or industrial information where that confidentiality is protected by law to protect a legitimate economic interest. We are also required to consider whether, taking into consideration the presumption in favour of release of information, the public interest in maintaining the exception outweighs the public interest in disclosing the information. To the extent that the information to be disclosed relates to information on emissions, it cannot be withheld on the grounds of commercial confidentiality.

You should be aware that under the provisions of the Freedom of Information Act 2000 and regulations made under it, the Environment Agency may be obliged to disclose information even where the applicant requests that it is kept confidential.

If you are an Operator regulated by the Scottish Environment Protection Agency:

The information submitted in this form will be subject to public access to information requirements including the Freedom of Information (Scotland) Act 2002 ("the Act") and the Environmental Information (Scotland) Regulations 2004 ("the Regulations"). If you consider that any information you provide in connection with your application should be kept confidential because it is a trade secret or is confidential commercial or industrial information or because its public disclosure would substantially prejudice your commercial interests please let us know. You should be aware however that SEPA may be legally obliged to disclose such information under the Act or the Regulations even when you have requested that it is kept confidential.

Please tick this box if you consider that any part of your form should be treated as commercially confidential/sensitive

Verification Opinion Statement**Operator Details**

Operator Name

Ford Motor Company Limited

Installation Name

Ford Bridgend Engine Plant

Emissions Details

Reporting Year
 Date of Report

Check the combustion emissions, process emissions and total emissions below. If necessary, make any corrections to the values to reflect your verification of this report.

Combustion Emissions in tCO2(e)
 Process Emissions in tCO2(e)
 Total Emissions in tCO2(e)
 Total emissions in the reporting year as reported by the operator in tCO2(e)

Combustion Source Streams

Gas/Diesel/Coal/HFO/etc..... please state which fuel type(s) apply to the Operator

Please note that this table requires entry of a list of FUEL types (e.g. refinery fuel gas, coal etc) ONLY. It is not required to list all individual EMISSIONS sources

Please use one row per source stream

Combustion Source Stream

- Natural Gas
- Gas/Diesel Oil
- Petrol
- Liquefied Petroleum Gases
- Acetylene

Process Source Streams

Please state which process source stream(s) apply to the installation

Please note this line requires a high level comment on the process source of the emissions being reported (e.g. calcination of lime/ waste gas scrubbing/ etc). No significant detail is required.

Process Source Stream

Methodology used

As detailed in the Consolidated Permit and M&R Plan as agreed with the Competent Authority.

Emissions factors used

Site specific factors (acetylene) and default factors (all other fuels).

Were there any changes to the Installation operator during the reporting year?

Yes

Changes to the operator during the reporting year.

The small user natural gas meter (MD2) was removed at the end of May 2014. Since this time all gas consumption is recorded through the main incoming gas meter MD1. This is reflected in the most recent approved permit v11.

Site Verification Details

Was the site visited during verification

Yes

Please enter details of any site visits undertaken during verification.

Site visit date	Number of days for site visit	Name of EU ETS (lead) auditor(s) and technical experts
05/02/2015	1.	Andrew Shepherd (Lead Auditor)

VOS Compliance with EUETS Rules

Compliance with EU ETS Rules

Monitoring Plan requirements met:

Yes

Permit conditions met:

Yes

EU Regulation on M&R met:

Yes

Article 14(a) and Article 16(2)(f) Data verified in detail and back to source:

Yes

If yes, was this part of site verification?

Yes

Article 14(b): Control activities are documented, implemented, maintained and effective to mitigate the inherent risks:

Yes

Article 14(c) : Procedures listed in monitoring plan are documented, implemented, maintained and effective to mitigate the inherent risks and control risks:

Yes

Article 16: Data verification completed as required:

Yes

Article 17: Correct application of monitoring methodology:

Yes

Article 17(4): Reporting of planned or actual changes:

Yes

Article 18: Verification of methods applied for missing data:

Yes

Article 19: Uncertainty assessment:

Yes

Competent Authority (Annex 2) guidance on M&R met:

Yes

Previous year Non-Conformity(ies) corrected:

Yes

Changes etc. identified and not reported to the Competent Authority/included in updated MP:

Yes. See Annex 3 for details

Compliance with the Monitoring and Reporting Principles

Compliance with the Monitoring and Reporting Principles

Only brief comments are required in this section NOTE - it is recognised that some principles are aspirational and it may not be possible to confirm absolute 'compliance'. In addition, some principles are reliant upon others being met before 'compliance' can be 'confirmed'.

Accuracy:

Yes

Completeness:

Yes

Consistency:

Yes

Comparability over time:

Yes

Transparency:

Yes

Integrity of methodology:

Yes

Overall Opinion

Opinion

Overall Opinion

Verified as Satisfactory

Verified as Satisfactory

We have conducted a verification of the greenhouse gas data reported by the above Operator in its Annual Emissions Report as presented above. On the basis of the verification work undertaken (see Annex 2) these data are fairly stated.

Verification Team

Lead EU ETS Auditor	Andrew Shepherd
EU ETS Auditors	NA
Technical Experts (EU ETS Auditor)	NA
Independent Reviewer	David Robinson
Technical Experts (Independent Review)	NA
Name of authorised signatory	David Robinson
Date of Opinion	13/03/2015
Name of Verifier	Lucideon CICS Limited
Address Line 1	Queens Road
Address Line 2	Penkhull
City	Stoke-on-Trent
County	Staffordshire
Postcode	ST4 7LQ
Country	United Kingdom
Date of Verification Contract	29/07/2013
Is the Verifier Accredited or Certified natural person?	Accredited
Name of National AB or verifier Certifying National Authority	UK
Accreditation/ Certification number	0006

Verification Opinion Statement: Annex 1 - Findings**Annex 1A - Misstatements, Non-conformities, Non-compliances and Recommended Improvements****Uncorrected Misstatements that were not corrected before issuance of the verification report**

Have there been any Uncorrected Misstatements that were not corrected before issuance of the verification report?

No

Uncorrected Non-conformities with approved Monitoring Plan

including discrepancies between approved plan and actual sources, source streams and boundaries etc identified during verification

Have there been any Uncorrected Non-conformities with the approved Monitoring Plan?

No

Uncorrected Non-compliances with MRR which were identified during verification

Have there been any uncorrected Non-compliances with the MRR which were identified during verification?

No

Recommended Improvements

Are there any Recommended Improvements?

No

Prior year Non-conformities that have NOT been resolved.

Are there any prior year Non-conformities that have NOT been resolved?

No

Annex 1B - Methodologies to close data gaps

Was a data gap method required

No

Verification Opinion Statement: Annex 2 - Further information of relevance to the Opinion**Objectives and scope of the Verification:**

To verify the Operator's or Aircraft operator's annual emissions to a reasonable level of assurance for the Annual Emissions Report (as summarised in the attached Opinion Statement) under the EU Emissions Trading System and confirm compliance with approved monitoring requirements, approved monitoring plan and the EU Regulation on Monitoring and Reporting.

Responsibilities:

The Operator or Aircraft operator is solely responsible for the preparation and reporting of their annual greenhouse gas (GHG) emissions for the purposes of the EU ETS in accordance with the rules and their approved monitoring plan (as listed in the attached Opinion Statement); for any information and assessments that support the reported data; for determining the installation's objectives in relation to GHG information and for establishing and maintaining appropriate procedures, performance management and internal control systems from which the reported information is derived.

The Competent Authority is responsible for:

- issuing and varying applicable permits to Operators or Aircraft operators
- enforcing the requirements of Regulation EU no. 601/2012 on monitoring and reporting (MRR) and any conditions of applicable permits;
- agreeing certain aspects of the verification process, e.g. site visit waivers; In exceptional circumstances, including those stated in Article 70(1) and 70(2) of the MRR, the CA may determine an Operator's or Aircraft operator's emissions for the purposes of the ETS.

The Verifier (as named on the Opinion Statement) is responsible for, in accordance with its verification contract and Commission Regulation EU no. 600/2012 on Accreditation and Verification, carrying out the verification of an Operator or Aircraft operator in the public interest, independent of the Operator or Aircraft operator and the competent authorities responsible for Directive 2003/87/EC. It is the responsibility of the Verifier to form an independent opinion, based on the examination of information and data presented in the Annual Emissions Report, and to report that opinion to the operator or aircraft operator. We also report if, in our opinion:

- the Annual Emissions Report is or may be associated with misstatements (omissions, misrepresentations or errors) or non-conformities; or
- the Operator or Aircraft operator is not complying with Regulation EU no. 601/2012 on monitoring and reporting, even if the monitoring plan is approved by the competent authority.
- the EU ETS lead auditor/auditor has not received all the information and explanations that they require to conduct their examination to a reasonable level of assurance; or
- improvements can be made to the Operator's or Aircraft operator's performance in monitoring and reporting of emissions and/or compliance with the approved monitoring plan and Regulation EU no. 601/2012 on monitoring and reporting.

Work performed & basis of the opinion:

We conducted our examination having regard to the verification criteria reference documents outlined below. This involved examining, based upon our risk analysis, evidence to give us reasonable assurance that the amounts and disclosures relating to the data have been properly prepared in accordance with the Regulations and principles of the EU Emissions Trading System, as outlined in the EU ETS criteria reference documents below, and the Operator's or Aircraft operator's approved monitoring plan. This also involved assessing where necessary estimates and judgements made by the Operator or Aircraft operator in preparing the data and considering the overall adequacy of the presentation of the data in the Annual Emissions Report and its potential for material misstatement.

Materiality Level

5%

GHG quantification is subject to inherent uncertainty due to the designed capability of measurement instrumentation and testing methodologies and incomplete scientific knowledge used in the determination of emissions factors and global warming potentials

Reference Documents Cited

Please select the applicable document sets below, then review the documents listed in the table. Where necessary add, edit or delete documents until the correct documents are listed in each document set.

Select the set of criteria that are appropriate to the accreditation / certification held by the verifier (delete non-relevant sets). It is expected that for most VBs only set (1) will be required.

Note, some of the documents may undergo update and revision so you need to check that the correct version is being cited

Reference Documents Cited

Please select the correct verifier type that matches your organisation.

Accredited Verifier

Please add at least one row into the table below.

Reference Document

- 1) EU Regulation EU no. 600/2012 on verification of GHG emissions reports and tonne-kilometre reports and the accreditation of verifiers pursuant to Directive 2003/87/EC..... (AVR)
- 2) EN ISO/IEC 14065:2013 Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition (ISO 14065:2007).
- 3) EN ISO/IEC 14064-3:2006 Specification with guidance for the validation and verification of GHG assertions
- 4) IAF MD 6:2009 International Accreditation Forum (IAF) Mandatory Document for the Application of ISO 14065:2007 (Issue 1, February 2010)
- 5) Guidance developed by European Commission Services on verification and accreditation
- 6) EA-6/03 European Co-operation for Accreditation Guidance For the Recognition of Verifiers under EU ETS Directive

Rules etc of the EU ETS

Reference Document

- A) EC Regulation EU no. 601/2012 on the Monitoring and Reporting of GHGs pursuant to Directive 2003/87/EC (MRR)
- B) EU Guidance developed by the European Commission Services to support the harmonised interpretation of the Monitoring and Reporting Regulation
- C) EU Guidance material developed by the European Commission Services to support the harmonised interpretation of the AVR

Verification Opinion Statement: Annex 3 - Summary of conditions, changes, clarification and variations approved by the Competent Authority

Annex 3 - Summary of conditions, changes, clarification and variations

A) Approved by the Competent Authority but which have NOT been incorporated within a re-issued Permit/ Monitoring Plan at completion of verification

This should list anything that has been agreed (e.g. in a letter, email, fax or phone call) but that has not been incorporated within the Greenhouse Gas Emissions Permit/monitoring plan. It should also include, for example, New technical Units, New Processes, Closure notification etc.

Is this applicable?

No

B) identified by the verifier and which have NOT been reported by 31 December of the reporting year

This should include changes to capacity, activity levels and/or operation of the installation that could impact upon the allocation of allowances; and changes to the monitoring plan that have not been approved by the Competent Authority before completion of the verification

This should list anything that has been identified by the verifier in the course of their work and which has not been notified to the Competent Authority by 31 December of the relevant Year.

There should be no duplication between this section and the one above.

Is this applicable?

Yes

Please add at least one row into the table below.

Id.	Comment
1	<p>A number of minor issues were identified with the latest approved permit v11. The operator informed the NRW of these issues in an IN Notification dated 05/03/2015. At the time of verification a response had not been received from NRW. In summary the issues identified were:</p> <ul style="list-style-type: none"> # Miscellaneous small boilers are included under S1. However, S1 is linked to the gas oil meter in the measurement devices table and the small boilers within the S1 group within the permit are not capable of operating on gas oil. The small boilers would therefore be better split out as a seperate S number group to correctly define the metering in the permit. The "small boiler" group should be named to capture other gas combustion equipment, e.g. kitchen gas where gas use in the kitchen is for ovens / hobs. # Second to last line in the approach description references LPG cylinders but should be acetylene cylinders. # First line of the applied tiers table should reference MD1 / MD1-PT to correctly capture the gas flow meter and P&T corrector. # Applied tiers Table: F5 Acetylene should be no tier, 1, 1, tier 1 for activity, NCV, EF, OF respectively with all other tiers in row being set to NA. # Reference Sources Applied table: Acetylene NCV & OF should be referenced.