



Australian Government
Department of Climate Change

GWA International Ltd
GWA International Ltd
ABN: 15 055 964 380
R090729-00395

NATIONAL GREENHOUSE AND ENERGY REPORT

GWA International Ltd

FOR THE REPORTING PERIOD 01/07/2008 - 30/06/2009

PART A

Reporting under the National Greenhouse and Energy Reporting (NGER) Act 2007

A registered corporation is to submit Part A and B report components, which together comprise the National Greenhouse and Energy Report (the Report), in accordance with section 19 of the NGER Act and regulation 4.02 of the NGER Regulations. This Report contains information in relation to the greenhouse gas emissions, energy production and energy consumption from the operation of facilities under the operational control of the registered corporation or members of the corporation's group during the reporting period.

If this Report is being submitted by an "other person" as declared by the Greenhouse and Energy Data Officer under s.20 of the NGER Act, the Report only needs to contain the s.19 information that is not in the possession or under control of the registered corporation.

This Report must contain any information specified by the NGER legislation, and data used to compile the Report must be based on the methods specified in the NGER (Measurement) Determination 2008.

Submitting the Report

This Report is only valid when Part B has been completed in Online System for Comprehensive Activity Reporting (OSCAR) and a printed and signed Part A has subsequently been received by the Greenhouse and Energy Reporting Office. The Part A report is only to be signed after Part B has been completed in OSCAR. If the information provided at Part B has been altered after the signing of Part A, the Report will no longer be valid. To ensure that a valid Report has been provided, please check that the version designated (in the footer of the report) on Part A corresponds with that on Part B. A hardcopy version of Part B does not need to be sent along with the signed Part A.

CORPORATION DETAILS

| | |
|---|---------------------------------|
| Controlling Corporation Name: | GWA International Ltd |
| ABN: | 15 055 964 380 |
| Chief Executive Officer (or equivalent): | Mr Peter Charles Crowley |

Corporation Head Office Street Address:

Level 14
10 Market Street
BRISBANE, QLD 4000

Corporation Postal Address:

Level 14
10 Market Street
BRISBANE, QLD 4000



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 ABN: 15 055 964 380
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CEO (or equivalent) details:

Name: Mr Peter Charles Crowley
Position: Chief Executive Officer
Address: Level 14
 10 Market Street
 BRISBANE, QLD 4000

Phone: 0730085073

Email: pcrowley@gwail.com.au

Contact Person details:

Name: Mr Neil Gregory Dow
Position: Group Risk and Procurement
 Manager
Address: 222 Park Street
 SOUTH MELBOURNE, VIC 3205

Phone: 0392061402

Email: ndow@gwail.com.au

GREENHOUSE GAS EMISSIONS AND ENERGY TOTALS FOR THE REPORTING PERIOD
01/07/2008 - 30/06/2009

The table below reports total scope 1 and scope 2 greenhouse gas emissions (GHG), energy produced and energy consumed by the corporate group as reported in detail in Part B of this Report.

| GHG EMISSIONS | | | ENERGY | |
|-----------------------------------|-----------------------------------|---|-------------------------|-------------------------|
| Scope 1 (t CO ₂ -e) | Scope 2 (t CO ₂ -e) | Total of Scope 1 and Scope 2 (t CO ₂ -e) | Energy Consumed (GJ) | Energy Produced (GJ) |
| 8,675 | 9,765 | 18,439 | 207,603 | 0 |

This report contains data that has been measured using the following methods as outlined in the National Greenhouse and Energy Reporting (Measurement) Determination 2008

Method 1 Known as the default method, derived from the National Greenhouse Accounts methods and is based on national average estimates

STATEMENTS

Any statements below are system generated for Reports prepared under certain provisions in the NGER legislation.

Reporting about incidental emissions and energy (regulation 4.27):

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER regulation 4.27.

The measurement of the production of energy from these sources using another method or criteria in the Determination would cause the corporation significant hardship or expense.

Facility threshold met:

The corporate group of GWA International Ltd has not met a corporate group threshold, but members of the corporate group have had operational control of one or more facilities during the reporting period that have met a facility threshold as defined in section 13 (1)(d) of the NGER Act. Regulation 4.02(3)(b) only requires this Report to include information under Divisions 4.3 to 4.5 of the NGER regulations for the facilities that cause the facility threshold to be met.

VALIDATION WARNINGS

This report contained 0 unresolved warnings listed in Part B of the Report.



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PRIVACY STATEMENT

Personal Information

Under the NGER Act and the NGER Regulations, the Greenhouse Energy Data Officer (the GEDO) and authorised staff have the authority to collect information which may include personal information as defined by the Privacy Act 1988 (Cth).

"Personal information", as defined in the Privacy Act, means any information from which a person's identity is apparent or can be reasonably ascertained.

In compliance with the Privacy Act, the Greenhouse and Energy Reporting Office of the Department of Climate Change has appropriate measures in place to ensure that personal information is protected. Measures include procedures and systems for the receipt, management and storage of personal information and ongoing monitoring of these arrangements.

Disclosure of information

The GEDO and authorised staff are only able to disclose greenhouse and energy information (which may include personal information) in accordance with the NGER Act or as otherwise required by law.

Information may be disclosed for the following purposes:

- administering a program or collecting statistics relating to greenhouse gas emissions, energy consumption or energy production;
- in connection with court or tribunal proceedings, or proposed or possible court or tribunal proceedings under the NGER Act;
- facilitating reviews of Australia's compliance with its international obligations relating to reporting of greenhouse gas emissions, consumption of energy or production of energy; and
- streamlining State and Territory programs in accordance with the objectives of the NGER Act.

The full Privacy Statement for the Department of Climate Change is available online at <http://www.climatechange.gov.au/statements/privacy.html>.

If you have further questions on privacy of information collected under the NGER Act, please contact the Greenhouse and Energy Reporting Office on 1800 018 831.

DECLARATION

The CEO (or equivalent) should read the following declaration and sign below

The NGER legislation mandates that registered corporations or "other persons" declared under s.20 of the NGER Act ("reporting entity's") provide complete and accurate information. It is the reporting entity's responsibility to ensure that information that may or may not be provided in the Report has been calculated in accordance with the NGER legislation.

Under the NGER Act and NGER Regulations, it is the responsibility of the reporting entity to provide the necessary information in their Report even if someone else assists it in preparing that data.



In order to assist reporting entities to comply with their reporting obligations under the NGER Act and NGER Regulations, the Commonwealth has developed the National Greenhouse and Energy Reporting Guidelines (the Reporting Guidelines). The Reporting Guidelines can be used in conjunction with the NGER Technical Guidelines, which were developed to assist stakeholders understand and apply the NGER (Measurement) Determination 2008.

It should be noted that neither the Reporting Guidelines nor the NGER Technical Guidelines constitute legal advice. Reporting entities are encouraged to seek independent advice to find out how the NGER Act and its subordinate legislation applies, as it is the responsibility of each reporting entity to satisfy its statutory obligations.

Reporting entities should not use OSCAR as a substitute for undertaking their own independent review of the information provided in their Reports. OSCAR has some inbuilt checking mechanisms designed to assist reporting entities to submit valid Reports. These checks should not be relied upon to ensure that the data that has been entered into OSCAR, including corporate group structure, is correct and in accordance with the legislative requirements of the NGER Act.

Under sections 19 and 20 of the NGER Act, a reporting entity who fails to provide a Report in compliance with its obligations could be liable for a civil penalty of up to 2,000 penalty units (under the Crimes Act 1914, a penalty unit is equal to \$110). Under section 30 of the NGER Act, a reporting entity may be liable for an additional civil penalty for each day on and after the due date of the Report.

In accordance with section 22 of the NGER Act, a reporting entity is required to maintain records of the activities that it is responsible in order to demonstrate that it has complied with its obligations under the NGER legislation. Records should be retained for a period of 7 years from the end of the year in which the activities took place. Failure to comply with this directive could be punishable by up to 1,000 penalty units.

By signing below, the Chief Executive Officer (or equivalent) as identified above acknowledges the above declaration and that:

- Parts A and B of this Report are being provided by the identified reporting entity in accordance with the NGER legislation;
- either
 - this Report is required for the registered corporation's trigger year (within the meaning of subsections 12(1) or (3) of the NGER Act);
- or
 - the corporation was a registered corporation at the end of the financial year to which the Report relates; or
 - the Report is being provided by an "other person" as declared by the GEDO under s.20 of the NGER Act;
- the validation warnings identified in this Report have been noted;
- the information supplied in Parts A and B of this Report is current, correct and in accordance with the NGER Act 2007, NGER Regulations 2008 and NGER (Measurement) Determination 2008; and
- under Division 137 of the Criminal Code it may be an offence to provide false or misleading information or documents to the GEDO in purported compliance with this Act.

Name of CEO or equivalent (In Full) _____

Signature of CEO or equivalent _____

Date _____



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Once signed, a copy of Part A should be kept for your records. The original Part A should be sent by post so that it is received by the GEDO, at the following address, before your reporting due date. A hardcopy version of Part B does not need to be sent with Part A.

Post: Greenhouse and Energy Data Officer
NGER Office
Department of Climate Change
GPO Box 854
CANBERRA ACT 2601

After the signed copy of Part A is received by the Greenhouse and Energy Reporting Office, the primary contact will be sent a written receipt confirmation that the Report has been received in full.



NATIONAL GREENHOUSE AND ENERGY REPORT

GWA International Ltd
 FOR THE REPORTING PERIOD 01/07/2008 - 30/06/2009

PART B

Head Office Postal Address:

Level 14
 10 Market Street
 BRISBANE, QLD 4000

Head Office Street Address:

Level 14
 10 Market Street
 BRISBANE, QLD 4000

Reporting under the National Greenhouse and Energy Reporting (NGER) Act 2007

A registered corporation is to submit Part A and B report components, which together comprise the National Greenhouse and Energy Report (the Report), in accordance with section 19 of the NGER Act and regulation 4.02 of the NGER Regulations. This Report contains information in relation to the greenhouse gas emissions, energy production and energy consumption from the operation of facilities under the operational control of the registered corporation or members of the corporation's group during the reporting period.

If this Report is being submitted by an other person as declared by the Greenhouse and Energy Data Officer under s.20 of the NGER Act, the Report only needs to contain the s.19 information that is not in the possession or under control of the registered corporation.

This Report must contain any information specified by the NGER legislation, and data used to compile the Report must be based on the methods specified in the NGER (Measurement) Determination 2008.

Submitting the Report

Part B of this Report is to be completed in the Online System for Comprehensive Activity Reporting (OSCAR), however the Report is not valid until a printed Part A report is subsequently signed and received by the Greenhouse and Energy Reporting Office. The Part A report is only to be signed after Part B has been completed in OSCAR. If the information provided at Part B has been altered after the signing of Part A, the Report will no longer be valid. To ensure that a valid Report has been provided, please check that the version designated on Part A corresponds with that on Part B. A hardcopy version of Part B does not need to be sent along with the signed Part A.

NB: If a registered corporation does not meet a threshold under section 13 of the NGER Act, the data tables in this report will be blank, but group member and facility details will be included with a statement to satisfy legislative requirements.

GREENHOUSE GAS EMISSIONS AND ENERGY TOTALS FOR THE REPORTING PERIOD

The tables below report total scope 1 and scope 2 greenhouse gas emissions (GHG), energy consumed and energy produced by the corporate group if a s.13 threshold is met for the reporting period.



| | GHG EMISSIONS | | | ENERGY | |
|----------------------------------|-----------------------------------|-----------------------------------|---|-------------------------|-------------------------|
| | Scope 1 (t CO ₂ -e) | Scope 2 (t CO ₂ -e) | Total of Scope 1 and Scope 2 (t CO ₂ -e) | Energy Consumed (GJ) | Energy Produced (GJ) |
| Actual | 8,675 | 9,765 | 18,439 | 207,603 | 0 |
| % Value Converted to Value | 0 | 0 | 0 | 0 | 0 |
| Corporation Total: | 8,675 | 9,765 | 18,439 | 207,603 | 0 |

| GHG Scope 1 Emission By Gas (t CO ₂ -e) | | | | | | |
|--|----------------------------|----------------------------------|--|--|--|--------------------------------|
| CO ₂ Carbon dioxide | CH ₄ Methane | NO ₂ Nitrous oxide | Perfluorocarbon CF ₄ Tetrafluoro methane | Perfluorocarbon C ₂ F ₆ Hexafluoro ethane | SF ₆ Sulphur hexafluoride | HFCs Hydro fluorocarbons |
| 8,648 | 18 | 9 | 0 | 0 | 0 | 0 |

REPORTING SMALLER FACILITIES BY ESTIMATING EMISSIONS AND ENERGY (Reg. 4.26)

Smaller facilities that are below GHG emissions or energy levels defined in regulation 4.26 can be reported as an estimated percentage of the corporate group's totals. The values of GHG emissions and energy reported under this regulation are based on the following percentage estimates. GHG emissions and energy data is not required to be reported elsewhere for facilities that are reported under this regulation.

| Number of facilities reported as % | GHG Emissions (%) | Energy Produced (%) | Energy Consumed (%) |
|---------------------------------------|----------------------|------------------------|------------------------|
| 0 | 0 | 0 | 0 |

This report contains data that has been measured using the following methods as outlined in the NGER (Measurement) Determination 2008:

- Method 1 Known as the default method, derived from the National Greenhouse Accounts methods and is based on national average estimates



STATEMENTS

Any statements below are system generated for Reports prepared under certain provisions in the NGER legislation.

Reporting about incidental emissions and energy (regulation 4.27):

This Report contains greenhouse gas emissions and energy information from facilities that is incidental to the operation of the facility and reported in accordance with NGER regulation 4.27.

The measurement of the production of energy from these sources using another method or criteria in the Determination would cause the corporation significant hardship or expense.

Facility threshold met:

The corporate group of GWA International Ltd has not met a corporate group threshold, but members of the corporate group have had operational control of one or more facilities during the reporting period that have met a facility threshold as defined in section 13 (1)(d) of the NGER Act. Regulation 4.02(3)(b) only requires this Report to include information under Divisions 4.3 to 4.5 of the NGER regulations for the facilities that cause the facility threshold to be met.

CORPORATE STRUCTURE (TABLE OF CONTENTS)

| Document Reference Number | Entity Name |
|---------------------------|-----------------------|
| 1 | Caroma Industries Ltd |
| 1.1 | Caroma Wetherill Park |

CEO (or equivalent) details:

Name: Mr Peter Charles Crowley
Position: Chief Executive Officer
Address: Level 14
 10 Market Street
 BRISBANE, QLD 4000

Phone: 0730085073
Email: pcrowley@gwail.com.au

Contact Person details:

Name: Mr Neil Gregory Dow
Position: Group Risk and Procurement Manager
Address: 222 Park Street
 SOUTH MELBOURNE, VIC 3205

Phone: 0392061402
Email: ndow@gwail.com.au



1 Group Member - Caroma Industries Ltd

The following tables summarise total greenhouse gas emissions and energy data for all facilities that were under the operational control of this group member during the reporting period.

| GHG EMISSIONS | | | ENERGY | |
|-----------------------------------|-----------------------------------|---|-------------------------|-------------------------|
| Scope 1 (t CO ₂ -e) | Scope 2 (t CO ₂ -e) | Total of Scope 1 and Scope 2 (t CO ₂ -e) | Energy Consumed (GJ) | Energy Produced (GJ) |
| 8,675 | 9,765 | 18,439 | 207,603 | 0 |

| GHG Scope 1 Emission By Gas (t CO ₂ -e) | | | | | | |
|--|----------------------------|----------------------------------|--|--|--|--------------------------------|
| CO ₂ Carbon dioxide | CH ₄ Methane | NO ₂ Nitrous oxide | Perfluorocarbon CF ₄ Tetrafluoro methane | Perfluorocarbon C ₂ F ₆ Hexafluoro ethane | SF ₆ Sulphur hexafluoride | HFCs Hydro fluorocarbons |
| 8,648 | 18 | 9 | 0 | 0 | 0 | 0 |

Group Member Details

Group Member: Caroma Industries Ltd

Identifying details: ABN: 35 000 189 499

Trading Name: Not Required

Type:

NOTE: a nomination is only valid when in a form approved by the Greenhouse and Energy Data Officer (GEDO) and only takes effect when it is given to the GEDO.



1.1. Facility - Caroma Wetherill Park

The following tables summarise greenhouse gas emissions and energy data for this facility during the reporting period.

| GHG EMISSIONS | | | ENERGY | |
|-----------------------------------|-----------------------------------|---|-------------------------|-------------------------|
| Scope 1 (t CO ₂ -e) | Scope 2 (t CO ₂ -e) | Total of Scope 1 and Scope 2 (t CO ₂ -e) | Energy Consumed (GJ) | Energy Produced (GJ) |
| 8,675 | 9,765 | 18,439 | 207,603 | 0 |

| GHG Scope 1 Emission By Gas (t CO ₂ -e) | | | | | | |
|--|----------------------------|----------------------------------|--|--|--|--------------------------------|
| CO ₂ Carbon dioxide | CH ₄ Methane | NO ₂ Nitrous oxide | Perfluorocarbon CF ₄ Tetrafluoro methane | Perfluorocarbon C ₂ F ₆ Hexafluoro ethane | SF ₆ Sulphur hexafluoride | HFCs Hydro fluorocarbons |
| 8,648 | 18 | 9 | 0 | 0 | 0 | 0 |

Facility Details

Operational Control: Caroma Industries Ltd has operational control over this facility.

Facility Street Address: 26-32 Walter Street WETHERILL PARK, NSW 2164

Geographic Coordinates: 33.845°S, 150.910°E

Region: NSW

ANZSIC Code: 333

Division: Wholesale Trade

Subdivision: Basic Material Wholesaling

Group: Timber and Hardware Goods Wholesaling

Class:

Number of days with Operational Control: 365



Incidental Emissions and Energy

| GHG EMISSIONS | | | ENERGY | |
|-----------------------------------|-----------------------------------|---|-------------------------|-------------------------|
| Scope 1 (t CO ₂ -e) | Scope 2 (t CO ₂ -e) | Total of Scope 1 and Scope 2 (t CO ₂ -e) | Energy Consumed (GJ) | Energy Produced (GJ) |
| 7 | 0 | 7 | 104 | 0 |

| GHG Scope 1 Emission By Gas (t CO ₂ -e) | | | | | | |
|--|----------------------------|----------------------------------|--|--|--|--------------------------------|
| CO ₂ Carbon dioxide | CH ₄ Methane | NO ₂ Nitrous oxide | Perfluorocarbon CF ₄ Tetrafluoro methane | Perfluorocarbon C ₂ F ₆ Hexafluoro ethane | SF ₆ Sulphur hexafluoride | HFCs Hydro fluorocarbons |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 |

Facility Data

| |
|---------------------------------|
| GREENHOUSE GAS EMISSIONS |
|---------------------------------|



Scope 1

| Source Name | Activity Data Name | Activity Data Context Name | Criteria | Amount | Units | Energy Content Factor | Energy Content | Emission Factors | Gases | Method | Scope1 t CO ₂ -e Carbon Dioxide Equivalent. |
|------------------|--|----------------------------|----------|---------|-------|-----------------------|----------------|------------------|-----------------|----------|--|
| Other Stationary | Liquefied petroleum gas | Non-transport | A | 51.345 | kL | 25.7 | 1319.5665 | 59.6 | CO ₂ | Method 1 | 79 |
| | | | | | | | | 0.1 | CH ₄ | Method 1 | 0 |
| | | | | | | | | 0.2 | NO ₂ | Method 1 | 0 |
| Other Stationary | Natural gas distributed in a pipeline | Non-transport | A | 164,844 | GJ | 1 | 164844 | 51.2 | CO ₂ | Method 1 | 8,440 |
| | | | | | | | | 0.1 | CH ₄ | Method 1 | 16 |
| | | | | | | | | 0.03 | NO ₂ | Method 1 | 5 |
| Transport | Gasoline (other than for use as fuel in an aircraft) | Transport | A | 53.754 | kL | 34.2 | 1838.3868 | 66.7 | CO ₂ | Method 1 | 123 |
| | | | | | | | | 0.6 | CH ₄ | Method 1 | 1 |
| | | | | | | | | 2.3 | NO ₂ | Method 1 | 4 |
| TOTAL: | | | | | | | | | | | 8,668 |



Incidental For Scope 1

| Source Name | Activity Data Name | Activity Data Context Name | Criteria | Amount | Units | Energy Content Factor | Energy Content | Emission Factors | Gases | Method | Scope1 t CO ₂ -e Carbon Dioxide Equivalent. |
|------------------|---|----------------------------|----------|--------|----------------|-----------------------|----------------|------------------|-----------------|----------|--|
| Other Stationary | Diesel Oil | Non-transport | A | 2.236 | kL | 38.6 | 86.3096 | 69.2 | CO ₂ | Method 1 | 6 |
| | | | | | | | | 0.1 | CH ₄ | Method 1 | 0 |
| | | | | | | | | 0.2 | NO ₂ | Method 1 | 0 |
| Other Stationary | Other gaseous fossil fuels | Non-transport | A | 37 | m ³ | 0.0393 | 1.4541 | 51.2 | CO ₂ | Method 1 | 0 |
| | | | | | | | | 0.1 | CH ₄ | Method 1 | 0 |
| | | | | | | | | 0.03 | NO ₂ | Method 1 | 0 |
| Other Stationary | Petroleum based oils (other than petroleum based oil as fuel) | Non-transport | A | 0.41 | kL | 38.8 | 15.908 | 27.9 | CO ₂ | Method 1 | 0 |
| | | | | | | | | 0 | CH ₄ | Method 1 | 0 |
| | | | | | | | | 0 | NO ₂ | Method 1 | 0 |
| TOTAL: | | | | | | | | | | | 7 |

Greenhouse Gas Emissions

Scope 2

| Source Name | Activity Data Name | Activity Data Context Name | Criteria | Amounts | Units | Scope2 t CO ₂ -e Carbon Dioxide Equivalent. |
|--------------------|--------------------|----------------------------|----------|------------|-------|--|
| Energy commodities | Electricity | Energy commodity | | 10,971,366 | kWh | 9,765 |
| TOTAL: | | | | | | 9,765 |

ENERGY PRODUCTION

ENERGY CONSUMPTION



Energy consumed by means of combustion for transport

| Source Name | Activity Type | Activity type context | Usage | Criteria | Amount | Units | Energy Content Factor | Converted Amount |
|---------------|--|-----------------------|-----------|----------|--------|-------|-----------------------|------------------|
| Transport | Gasoline (other than for use as fuel in an aircraft) | Transport | Combusted | A | 53.754 | kL | 34.2 | 1,838 |
| TOTAL: | | | | | | | | 1,838 |

Energy consumed by means of combustion for a purpose other than producing electricity, producing a chemical or metal product or for transport

| Source Name | Activity Type | Activity type context | Usage | Criteria | Amount | Units | Energy Content Factor | Converted Amount |
|------------------|---------------------------------------|-----------------------|-----------|----------|---------|-------|-----------------------|------------------|
| Other Stationary | Natural gas distributed in a pipeline | Non-transport | Combusted | A | 164,844 | GJ | 1 | 164,844 |
| Other Stationary | Liquefied petroleum gas | Non-transport | Combusted | A | 51.345 | kL | 25.7 | 1,320 |
| TOTAL: | | | | | | | | 166,164 |

Incidental For Energy consumed by means of combustion for a purpose other than producing electricity, producing a chemical or metal product or for transport

| Source Name | Activity Type | Activity type context | Usage | Criteria | Amount | Units | Energy Content Factor | Converted Amount |
|------------------|---|-----------------------|-----------|----------|--------|----------------|-----------------------|------------------|
| Other Stationary | Other gaseous fossil fuels | Non-transport | Combusted | A | 37 | m ³ | 0.039 | 1 |
| Other Stationary | Petroleum based oils (other than petroleum based oil as fuel) | Non-transport | Combusted | A | 0.41 | kL | 38.8 | 16 |
| Other Stationary | Diesel Oil | Non-transport | Combusted | A | 2.236 | kL | 38.6 | 86 |
| TOTAL: | | | | | | | | 104 |

Energy consumed by means other than combustion

| Source Name | Activity Type | Activity type context | Usage | Criteria | Amount | Units | Energy Content Factor | Converted Amount |
|--------------------|---------------|-----------------------|-----------|----------|------------|-------|-----------------------|------------------|
| Energy commodities | Electricity | Energy commodity | Combusted | | 10,971,366 | kWh | 0.004 | 39,497 |
| TOTAL: | | | | | | | | 39,497 |



Summary Table

| Categories | Converted Amount | Units |
|--|------------------|-------|
| Amount of energy consumed by means of combustion | 168,106 | GJ |
| Energy consumed by means other than combustion | 39,497 | GJ |
| TOTAL: | 207,603 | GJ |

UNCERTAINTY LEVELS

Chapter 8 of the NGER (Measurement) Determination requires uncertainty to be assessed for emissions estimates so that a range for statistical uncertainty is provided within a 95% confidence level. The NGER Act and Regulations do not currently require uncertainty to be reported, however GHG Protocols require the assessment of uncertainty of emissions estimates. Calculations made to determine uncertainty may be reported in the "Comments" tab within OSCAR.

The NGER Determination currently sets out the uncertainty levels for emissions factors under Method 1 reporting, and ongoing refinements of the Determinations will include uncertainty levels for activities and energy content to enhance Method 1 calculations. If there are no specific guidelines in the determination, uncertainty of emissions estimates is to be assessed in accordance with the GHG protocol guidance on uncertainty assessment in the GHG inventories and calculating statistical parameter uncertainty (September 2003). Further guidance on calculating uncertainty is provided in the NGER (Measurement) Determination.

ADDITIONAL INFORMATION

Any further information you may wish to provide can be added to the "Comments" tab in OSCAR. Information provided may or may not be used by the GEDO and authorised staff, and will only be used in accordance with the NGER Act or as otherwise required by law.



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Department of Climate Change

GWA International Ltd
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 ABN: 15 055 964 380
 R090729-00395

NATIONAL GREENHOUSE AND ENERGY REPORT

GWA International Ltd

FOR THE REPORTING PERIOD 01/07/2008 - 30/06/2009

PART C

HEAD OFFICE POSTAL ADDRESS:

Level 14
 10 Market Street
 BRISBANE, QLD 4000

HEAD OFFICE STREET ADDRESS:

Level 14
 10 Market Street
 BRISBANE, QLD 4000

CEO: Mr Peter Charles Crowley

Address: Level 14
 10 Market Street
 BRISBANE, QLD 4000

Phone: 0730085073

Email: pcrowley@gwail.com.au

Contact Person: Mr Neil Gregory Dow

**Position: Group Risk and Procurement
 Manager**

Address: 222 Park Street
 SOUTH MELBOURNE, VIC 3205

Phone: 0392061402

Email: ndow@gwail.com.au

STATEMENT:

GWA International Ltd wishes to include as part of its National Greenhouse and Energy Report the following 1 attachments:

| No. | File Name | Description |
|-----|---|--|
| 1 | Caroma W-Park Emission of CO2 from glaze and clay 2007-08.pdf | Caroma Wetherill Park Fugitive Emissions Calculation; Clay and Glaze |