

Zone 3/B Ergon House  
17 Smith Square  
London SW1P 3JR

**Telephone** 020 7238 1841  
**Website** [www.defra.gov.uk](http://www.defra.gov.uk)



FAO: Estelle Denervaud  
Electrabel NV/SA  
Boulevard du Régent 8  
1000 Brussels  
Belgium

DNA Ref: ENVSA/01/2009  
Date of Issue: 22 January 2009  
Company issued to: Electrabel NV/SA  
Project issued for: Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")

**ARTICLE 12 KYOTO PROTOCOL TO THE UNITED NATIONS FRAMEWORK  
CONVENTION ON CLIMATE CHANGE  
WRITTEN APPROVAL OF VOLUNTARY PARTICIPATION FROM UK DNA**

Electrabel NV/SA has confirmed that they are a project participant in a proposed Clean Development Mechanism (CDM) project entitled "Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")" and has requested written approval of the UK's voluntary participation in the CDM from the UK's Designated National Authority.

Electrabel NV/SA has provided us with the attached record of the host Party's confirmation that the project activity assists it in achieving sustainable development. "Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")" was registered by the CDM Executive Board on 1 April 2008.

The Secretary of State for Environment, Food and Rural Affairs acting as the UK's DNA confirms that:

1. the United Kingdom ratified the Kyoto Protocol on 31<sup>st</sup> May 2002;
2. the UK participates voluntarily in the CDM;
3. to the extent that what is mentioned in paragraphs 1 and may constitute authorisation of Electrabel NV/SA's participation in the above named CDM project



activity, and to the extent that such authorisation is required, this letter may be taken to constitute that authorisation.

In granting authorisation, the UK's DNA has not considered those matters that fall within the competence of:

- Republic of Korea acting as Host Party in respect of this project;
- SGS, appointed by the project participants as Designated Operational Entity in respect of this project; or
- the CDM Executive Board.

The UK does not intend to issue instructions in respect of, or to participate in the request for issuance of Certified Emission Reductions (CERs).

Signed on behalf of the Secretary of State:

A handwritten signature in black ink, appearing to read 'Chris Dodwell', with a stylized flourish at the end.

Chris Dodwell  
Deputy Director, International Climate Change

Zone 3/B Ergon House  
17 Smith Square  
London SW1P 3JR

Telephone 020 7238 1841  
Website [www.defra.gov.uk](http://www.defra.gov.uk)



FAO: Garry Crooks  
Johnson Matthey plc  
Precious Metal Products Division - Noble Metals  
Orchard Road  
Royston  
Hertfordshire  
SG8 5HE

DNA Ref: JMPLC/4/07  
Date of Issue: 16 October 2007  
Company issued to: Johnson Matthey PLC  
Project issued for: Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")

**ARTICLE 12 KYOTO PROTOCOL TO THE UNITED NATIONS FRAMEWORK  
CONVENTION ON CLIMATE CHANGE  
WRITTEN APPROVAL OF VOLUNTARY PARTICIPATION FROM UK DNA**

Johnson Matthey PLC has confirmed that they are a project participant in a proposed Clean Development Mechanism (CDM) project entitled "Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")" and has requested written approval of the UK's voluntary participation in the CDM from the UK's Designated National Authority in order to submit this project to the CDM Executive Board for registration.

Johnson Matthey PLC has provided us with the attached record of the host Party's confirmation that the project activity assists it in achieving sustainable development and has confirmed that it has submitted all required documents and information to the Designated Operational Entity.

The Secretary of State for Environment, Food and Rural Affairs acting as the UK's DNA confirms that:

1. the United Kingdom ratified the Kyoto Protocol on 31<sup>st</sup> May 2002;
2. the UK participates voluntarily in the CDM;

3. to the extent that what is mentioned in paragraphs 1 and 2 may constitute authorisation of Johnson Matthey PLC's participation in the above named CDM project activity, and to the extent that such authorisation is required, this letter may be taken to constitute that authorisation.

In granting authorisation, the UK's DNA has not considered those matters that fall within the competence of:

- Republic of Korea acting as Host Party in respect of this project;
- SGS United Kingdom Ltd, appointed by the project participants as Designated Operational Entity in respect of this project; or
- the CDM Executive Board.

The UK does not intend to issue instructions in respect of, or to participate in the request for issuance of Certified Emission Reductions (CERs).

Signed on behalf of the Secretary of State:



Chris Dodwell,

Head of International Climate Change Division



Zone 3/B Ergon House  
17 Smith Square  
London SW1P 3JR

Telephone 020 7238 1841  
Website [www.defra.gov.uk](http://www.defra.gov.uk)



FAO: Albrecht von Ruffer  
N.serve Environmental Services GmbH  
Große Theaterstr. 14,  
20354 Hamburg,  
Germany Amtsgericht Hamburg,  
HRB 90101

DNA Ref: NSES/6/07

Date of Issue: 28 September 2007

Company issued to: N.serve Environmental Services GmbH

Project issued for: Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")

**ARTICLE 12 KYOTO PROTOCOL TO THE UNITED NATIONS FRAMEWORK  
CONVENTION ON CLIMATE CHANGE  
WRITTEN APPROVAL OF VOLUNTARY PARTICIPATION FROM UK DNA**

N.serve Environmental Services GmbH has confirmed that they are a project participant in a proposed Clean Development Mechanism (CDM) project entitled "Project for the catalytic reduction of N<sub>2</sub>O emissions with a secondary catalyst inside the ammonia reactor of the nitric acid plant at Dongbu Hannong Chemicals Ltd., Ulsan, Korea ("Dongbu")" and has requested written approval of the UK's voluntary participation in the CDM from the UK's Designated National Authority in order to submit this project to the CDM Executive Board for registration.

N.serve Environmental Services GmbH has provided us with the attached record of the host Party's confirmation that the project activity assists it in achieving sustainable development and has confirmed that it has submitted all required documents and information to the Designated Operational Entity.

The Secretary of State for Environment, Food and Rural Affairs acting as the UK's DNA confirms that:

1. the United Kingdom ratified the Kyoto Protocol on 31<sup>st</sup> May 2002;
2. the UK participates voluntarily in the CDM;
3. to the extent that what is mentioned in paragraphs 1 and 2 may constitute authorisation of N.serve Environmental Services GmbH's participation in the above

named CDM project activity, and to the extent that such authorisation is required, this letter may be taken to constitute that authorisation.

In granting authorisation, the UK's DNA has not considered those matters that fall within the competence of:

- Republic of Korea acting as Host Party in respect of this project;
- SGS United Kingdom Ltd, appointed by the project participants as Designated Operational Entity in respect of this project; or
- the CDM Executive Board.

The UK does not intend to issue instructions in respect of, or to participate in the request for issuance of Certified Emission Reductions (CERs).

Signed on behalf of the Secretary of State:

A handwritten signature in dark ink, appearing to read 'Chris Dodwell', with a stylized flourish at the end.

Chris Dodwell,

Head of International Climate Change Division