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### (POL2) NO<sub>x</sub> Emissions



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#### Technical Guide November 2010 Criteria

- 3 available credits
- Credits worth 0.70% points each
- Mandatory Element: No

Aim: To promote the reduction of nitrogen oxide (NO<sub>x</sub>) emissions into the atmosphere.

Assessment Criteria:

| Criteria  |                                |
|---|--------------------------------|
| Dry NO <sub>x</sub> Level (mg/kWh)  | Boiler Class (BS EN 297: 1994) |
| ≤ 100   | 4                              |
| ≤ 70  | 5                              |
| ≤ 40  | –                              |
| <b>Default Cases</b><br>Where all space heating and hot water energy requirements are fully met by systems which not produce NO <sub>x</sub> emissions. |                                |



### Technical Guide May 2009 Criteria

- 3 available credits
- Credits worth 0.70% points each
- Mandatory Element: No

Aim: To reduce the emission of nitrogen oxides (NO<sub>x</sub>) into the atmosphere.

Assessment Criteria: Credits are awarded on the basis of NO<sub>x</sub> emissions arising from the operation of space heating and hot water systems for each dwelling, in accordance with the table below:

| Criteria                           |                                |
|------------------------------------|--------------------------------|
| Dry NO <sub>x</sub> level (mg/kWh) | Boiler class (BS EN 297: 1994) |
| ≤100                               | 4                              |
| ≤70                                | 5                              |
| ≤40                                | –                              |

**Default Cases**

Where all space heating and hot water energy requirements are fully met by systems which not produce NO<sub>x</sub> emissions.



### References for POL2

[British Standards EN 297:1994. A1:1995, A2:1996, A3:1996, A5:1998 and A6:2003. Gas-fired central heating boilers, page 42, table 14, section 3.6.2](#)

## **Additional information**

[Defra, National Emission Ceilings Directive: National Strategy to Combat Acidification, Eutrophication and Ground-level Ozone](#)

[Department of the Environment, Scottish Development Department, Welsh Office, Department of the Environment for Northern Ireland, \(1990\). The United Kingdom's Programme and National Plan for Reducing Emissions of Sulphur Dioxide \(SO<sub>2</sub>\) and Oxides of Nitrogen \(NO<sub>x</sub>\) from Existing Large Combustion Plants](#)

[Nitrogen Dioxide in the United Kingdom. Defra, \(2004\) Summary report available on the National Atmospheric Emissions Inventory website](#)

[1 Credit Boilers](#)

[2 Credit Boilers](#)

[3 Credit Boilers](#)

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