



Conestoga-Rovers & Associates Project Summary

KEY PROJECT ELEMENTS

- **Air Emissions Assessment**
- **Permitting**
- **Identification of Operations Improvements**
- **Greenhouse Gas Emission Reductions**

ASSESSMENT AND REDUCTIONS OF EMISSIONS FOR BREWING COMPANY

LONDON, UK

CRA supported a London-based brewery with an Improvement Condition outlined in their Pollution Prevention and Control (PPC) permit, which required an assessment of Nitrogen Oxide (NO_x) emissions from the site combustion processes. CRA performed an NO_x emissions impact assessment that indicated that the installation (i.e. the facility) had little or no impact on short- or long-term ambient air NO_x levels; however, the study identified several options to further reduce emissions as required by the PPC regime.

Working with site personnel, CRA established the relationship between NO_x emissions outputs and boiler plant operations. Further, CRA identified options for reducing NO_x emissions, which would also contribute to significant reductions in energy consumption. This allowed the plant to propose to the Environment Agency that improvements in NO_x emissions would also yield (in the medium term) significant cost savings. The proposed improvement will reduce Carbon Dioxide (CO₂) outputs per unit of production, as reported under the company's Greenhouse Gas Emissions Trading permit under the EU Emissions Trading Scheme.

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