

Non Technical Summary
Johnsons Hotel Linen, Pwllheli

Client: Johnsons Hotel Linen

Reference: 7334-8Br1

Date: 8th March 2024



Report Issue

Report Title: Non Technical Summary - Johnsons Hotel Linen, Pwllheli

Report Reference: 7334-8B

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1.0 NON TECHNICAL SUMMARY

1.1 Location

1.1.1 Johnsons Hotel Linen propose to continue operation of a gas-fired steam boiler at the Johnsons Hotel Linen site in Pwllheli.

1.1.2 The site is located at National Grid Reference (NGR) 243664, 337835. Reference should be made to Figure 1 for a map of the site and surrounding area.

1.1.3 The site is within the jurisdiction of the Gwynedd Council. Concentrations of pollutants considered within the Air Quality Strategy are all below the relevant Air Quality Objectives (AQOs). As such, no Air Quality Management Areas (AQMAs) have been designated within the county.

1.2 Company Details

1.2.1 The company name of the legal operator of the facility is Johnsons Hotel Linen Limited. Company number 11842729.

1.3 Facility Description

1.3.1 The following plant is installed at the site:

- One Beel Minster Industrial boiler with a thermal input of 5.1MW_{th}.

1.3.2 The site is an operational (existing) medium combustion plant and came into operation before 20th December 2018.

1.3.3 The site will not accept or use waste as a feedstock.

1.4 Atmospheric Emissions

1.4.1 Emissions from the plant have the potential to affect pollution levels at sensitive locations.

1.4.2 A Simple Calculation of Atmospheric Impact Limits (SCAIL) Assessment (reference: 7334-8Ar1) was undertaken by Redmore Environmental Ltd in support of the Environmental Permit Application in order to determine the potential for impacts at human and ecological receptors.

1.4.3 The results indicated that impacts on annual mean NO_x concentrations at the following ecological designations were not significant in accordance with criteria specified within the National Resource Wales (NRW) guidance 'What to do before you apply for a standalone Medium Combustion Plant'¹:

- Pen Llyn a'r Sarnau / Lley'n Peninsula and the Sarnau Special Area of Conservation (SAC); and,
- Glanllynau a Glannau Pen-Ychain i Gricieth Site of Special Scientific Interest (SSSI).

1.4.4 There are no habitats or species at the designations that are sensitive to nitrogen or acid deposition. As such, impacts on deposition rates were not considered as part of the assessment.

1.4.5 The results also indicated that predicted impacts on annual mean and 1-hour mean nitrogen dioxide (NO₂) concentrations at all human receptors were not significant in accordance with the NRW criteria. Reference should be made to Figure 2 for a graphical representation of receptor positions.

1.4.6 It is confirmed that compliance will be maintained with any stack emissions monitoring requirements outlined within the Environmental Permit.

¹ <https://naturalresources.wales/permits-and-permissions/medium-combustion-plants-and-specified-generators/what-to-do-before-you-apply-for-a-standalone-medium-combustion-plant-mcp-less-than-50-mw-thermal-input-that-is-also-a-specified-generator-sg-or-part-b-activity/?lang=en>.

Figures



Legend



Title
Figure 1 - Site Location Plan

Project
Non Technical Summary
Johnson's Hotel Linen, Pwllheil

Project Reference
7334-8B

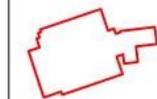
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Legend

-  Site Boundary
-  Receptor

Title

Figure 2 - Human Receptor Locations

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