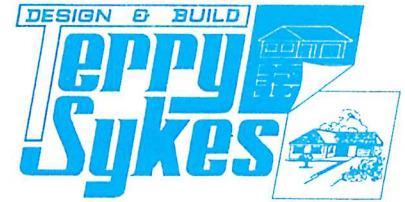


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14 AUG 2020

BY:.....



Terry Sykes MCIOB, FFB

AIR QUALITY AND EMISSIONS MITIGATION STATEMENT

Applicant –

Bridge House Independent Schools Ltd

Site Address –

Bridge House Independent Schools Ltd, Bridge House, Grantham Road, Boston, Lincs, PE21 7NL

Proposal –

Change of use from Vocational Training Centre to Independent Schools Ltd.

Prepared by –

TERRY SYKES (Design & Build).

Building use:

Independent Behavioural School

Building insulation:

The existing traditional brick building on site is of a period that incorporated no or minimal building element insulation, however at the time of the original change of use and during subsequent operating period of the school various external building elements have been up-graded with regards to improving the thermal insulation and reducing heating costs.

Internal Heating/Energy Use:

Existing gas fire central heating system with radiators controlled by thermostatic values.

Lighting – low energy LED lighting as existing.

Building operational use emissions:

Owing to the same internal operational use of the building it is not envisaged that the present emissions levels will be any greater than existing. Any emissions are only attributed to the actual energy used (gas and electricity) for heating, lighting and general office equipment; naturally any emissions are also applicable to the original generated energy source (carbon fee generated energy).

Mitigation measures existing and proposed:

Partly surrounding this site is an established waterway with grassed bank incorporating isolated trees and conifer hedging conifer hedging, all of which forms part of the surrounding landscape and therefore already contributes to the mitigation measures required to off-set any building emissions. Any further benefits to off-set building emissions can be considered with regards to the following.

- a. Checking all light fittings for low energy bulbs (LED).
- b. Automatic lighting controls were applicable.
- c. Up-dating heating controls, including possible zone controls.
- d. Further up-dating building element insulation in line with new insulation requirements.