



Dow Hyperlast

Dow Hyperlast
Main Production Building
Birch Vale
High Peak
Derbyshire

Design & Access Statement

January 2011

G.0210/D&A.

1.0 Introduction:

This Statement relates to an application for full planning permission for changes to the existing Main Production Building at Dow Hyperlasts PU Systems site in Birch Vale.

Dow Hyperlast are required to carry out a number of changes to its arrangements related to the current steam generation plant and dust extraction units to the Main Production Building.

The statements in this document should be read in conjunction with the following drawings:

- PL.001 Existing Site Layout and Location Plan
- PL.002 Proposed Site Layout and Location Plan
- PL.003 Existing Ground Floor Plan
- PL.004 Existing Elevations
- PL.005 Proposed Ground Floor Plan
- PL.006 Proposed Elevations

2.0 Design and Access:

Dow Hyperlasts proposed changes included within the application are as follows:

- The removal of 3 existing vents from 3 recently decommissioned gas fired units as a result of the closure of the prescribed Birch Vale Plasticiser process.
- Decommissioning of two existing gas fired steam boilers and the removal of 2 associated vents.
- Installation of a new single high efficiency natural gas fired steam boiler and the installation of a new 9m high exhaust chimney.
- Re-routing of the exhaust from an existing dust filter from the current caustic scrubber so that the filter exhaust will discharge directly to atmosphere at approximately 3m above the roof line of the Main Production Building.

The existing roof will be made good following the removal of the 5no. existing vents. Any new cladding required will be coloured Van Dyke Brown to match the existing.

The proposed new Steam Boiler will be housed in a modified Steel Shipping Container approx. 6m from the Main Building. adjacent to this will be the proposed new 9m high chimney. Both to be coloured Van Dyke Brown.

The proposed new 600mm diameter Exhaust Stack within the main building will project approx. 3m above the ridge line of the roof. Coloured Van Dyke Brown.

Vehicular and Pedestrian Access to the site will remain unchanged with no additional requirements. The new Steam Boiler will house plant and machinery equipment only and therefore no additional floorspace is being created for general staff use. Level access will be provided for maintenance staff only.

The proposed small scale works are intended to reduce risk and increase efficiency on site whilst also reducing emissions down to a single point.