



Daniel Thwaites Brewery

Environmental Statement

April 2010

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A brief description of the operation at the Star Brewery

Daniel Thwaites Brewery is located in the centre of Blackburn and neighbours commercial, industrial and residential areas. Public highways surround the site.

The Brewery operation includes brewing and conditioning of Ales and Lagers, the packaging of these products in Keg, Cask, Can and Bottle. The operation also includes the logistics involved in the storage and usage of raw materials and finished products.

The Environmental impact of the Brewery

In order to carry out the operations at the brewery there is an impact on the environment, locally and globally. Raw material usage is routinely monitored as part of the operating procedures. Through this we can identify any unusual trends in usage, which may have an indirect impact on the environment. By monitoring material usage we can act quickly to improve the use of these valuable resources and optimise their use in the business and minimise our environmental impact.

A copy of the environmental policy

The following page contains the current environmental policy for Daniel Thwaites Brewery. The original has been signed by the Managing Director.



Environmental Policy

Daniel Thwaites Brewery is an Ale and Lager brewing company with facilities for packaging products in Cask, Keg, Can and Bottle. These operations take place at Star Brewery, Blackburn, Lancashire.

As a long established family controlled business we have a vested interest in our impact on the environment, locally and globally.

The environmental impact of operations at Star Brewery will be minimised by:

- Committing to meeting the requirements of all relevant environmental legislation.
- Reducing energy and waste through monitoring and targeting.
- Committing to reduce the risk of pollution by looking at best available techniques to avoid incidents occurring.
- Seeking to reduce waste materials sent to landfill by use of recycling initiatives.

As a responsible company **Daniel Thwaites Brewery** will ensure that employees, contractors and visitors at Star Brewery are made aware of the Environmental Policy Statement.

The Policy will be reviewed as required and will be published on the Company Web site as well as being made available to anyone requesting a copy.

Through monitoring we strive for continuous improvement in our environmental performance.

Signed: _____ *P. Morris*

Date: _____



The Environmental management structure

The Projects and Utilities Manager carry out the management of the site Environmental Management System (EMS). This is done under the supervision of the Production and Distribution Director and with the support of the Managing Director.

The EMS works along side the quality management system and the production procedures manual. While being a separate management system it is integrated with the quality system and production procedures manual to provide an efficient management system.

A review of the Environmental objectives for 2009

The 2009 statement described the following objectives for the year:

- Remedial repairs to site drains
(Further repairs were carried out with subsequent CCTV checks. All works are now complete)
- Training of operators in spill kit use
(Started and ongoing)
- Installation of smart metering around site
(installed and being integrated into site Ethernet network)
- Monitoring of electrical base load and look for opportunities to reduce it.
(data being downloaded and analysed weekly)

We will continue to optimise the use of utilities to best suite the brewing and packaging operation.
(refrigeration plant energy usage reduced by a further 5% by installing rack controller)

A description of Environmental objectives 2010

- Integration of smart metering into site Ethernet network to deliver real time monitoring
- Full integration of refrigeration rack controller to include all 3 compressors
- Develop eSight as an effective reporting tool to produce departmental statistics
- Manage cost of effluent down and keep cost at a sustainable level

A description of key performance indicators

In order to measure the environmental impact the brewery has on the environment, the site will continue to monitor utility usage against production volumes. Utility monitoring will include:

- Electricity (kWh per barrel brewed / packaged)
 - Natural Gas (kWh per barrel brewed / packaged)
 - Water (m³ per barrel brewed)
 - Trade Effluent (COD, SS and volume)
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A description of other key environmental legislation affecting the Brewery

The brewery participates in the Climate Change Levy scheme and is a member of a Climate Change Agreement (CCA) for the Brewing sector. This legislation is a driver to reduce gas and electricity consumption in line with production levels. As the brewery has a CCA it is exempt from the forthcoming Climate Reduction Commitment scheme.

We are also participating in the European Union Emissions Trading Scheme (EU ETS). This scheme has been set up to promote reduced emissions of CO² to the atmosphere. Baseline data has been submitted to the Environment Agency for phase III of the scheme although if current consultations are implemented the brewery will be eligible to opt out of the scheme permanently.

Review date and contact information

The Projects and Utilities Manager will revise this statement in April 2011.

Any comments or questions should be in writing to:

The Managing Director
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