



# Daniel Thwaites Brewery

## Environmental Statement

### January 2009

---

#### **Contents**

- A brief description of the operation at the Star Brewery
  - The Environmental impact of the Brewery
  - A copy of the environmental policy
  - The Environmental management structure
  - A description of Environmental objectives for the coming year
  - A description of key performance indicators
  - A description of other key environmental legislation affecting the Brewery
  - Review date and contact information
- 

#### **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 and is available on request or can be downloaded from the company website.



## *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 2008**

The 2008 statement described the following objectives for the year:

- Carrying out further drain repairs highlighted in the last CCTV report  
*(Drain lining and patching was completed in July. Repairs were verified by CCTV. Ground water sampling was done in September. Further remedial repair of drains planned for 2009)*
  - Monitoring CIP usage through data logging  
*(CIP 1 monitoring ongoing at time of writing. CIP 2 monitoring proved unit was optimised)*
  - Reduce water pressure in the Fermentation building to improve consumption  
*(Water pressure was reduced to 3 bar. Water supply isolated from Brew tower to fermentation building to aid pressure reduction)*
  - Carrying out spill kit training for key operators / Staff  
*(Due to redundancy announcements and restructuring not carried out. Planned for 2009).*
  - Installing monitoring equipment and software to better reduce energy and water consumption  
*(eSight monitoring software installed. Smart metering to be installed in 2009)*
- 

## **A description of Environmental objectives 2009**

The Brewery obtained it's IPPC Permit (renamed as an Environmental Permit from April 2008) on 1<sup>st</sup> July 2005 and is continuing to work on the requirements and improvement conditions. We are also:

- Remedial repairs to site drains
- Training of operators in spill kit use
- Installation of smart metering around site
- Monitoring of electrical base load and look for opportunities to reduce it.

The Brewery will continue to develop the EMS. We will continue to optimise the use of utilities to best suite the brewing and packaging operation.



### **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 (m<sup>3</sup> per barrel brewed)
- Trade Effluent (COD, SS and volume)

---

### **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 for the Brewing sector. This legislation is a driver to reduce gas and electricity consumption in line with production levels.

We are also participating in the European Union Emissions Trading Scheme (EU ETS). This scheme has been set up to promote reduced emissions of CO<sup>2</sup> to the atmosphere.

---

### **Review date and contact information**

The Projects and Utilities Manager will revise this statement in January 2010.

Any comments or questions should be in writing to:

**The Managing Director**  
**Daniel Thwaites Brewery**  
**Star Brewery, PO Box 50**  
**Penny Street**  
**Blackburn**  
**BB1 5BU**

---

Produced by:  
Mick Cockshott  
Projects & Utilities Manager