



**DOCUMENT TITLE** Annual Reporting; Condition 4.1.5; ISO14001 Progress  
**INSTALLATION NAME** Shotton Works  
**PERMIT NUMBER** BR7321  
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**DATE** 31/01/2014

**1.0 INTRODUCTION**

The following summarisation of delivery against Shotton Colors Environmental Management Plan has been prepared to satisfy Condition 4.1.5 of the Environmental Permit (BR7321);

“Where the operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets, the Operator shall, not later than 31 January in each year provide a summary report of the previous year’s progress against such targets.”

The report has been split into a number of relevant sub-sections correlating with the Environmental Management Plan. This is the first year of submission of such a report.

**1.0 LEGAL COMPLIANCE (LEGISLATION & ENVIRONMENTAL PERMITS)**

**OBJECTIVE(S)**

- To ensure new environmental legislation is identified and implemented
- To achieve 100% compliance with all Shotton Colors Environmental Permits
- To achieve 100% compliance with all other current legislation & business standards

**DELIVERABLE(S)**

Migration of the current legal register requiring manual update to an automated system (Greenspace) ensuring access to current environmental legislation applicable to the Shotton installation increasing the likelihood of environmental compliance. All reporting completed accurately in accordance with established deadlines. A total of 19 audits with an environmental association completed.

**2.0 ENVIRONMENTAL MANAGEMENT SYSTEMS (14001)**

**OBJECTIVE(S)**

To maintain compliance with 14001

**DELIVERABLE(S)**

Recertification to 14001 achieved June 2013

**MONITORING RETURNS N. WALS**

	INITIALS	DATE
CHECKED Vs AUTHORISATION	AS	3/2/14
TRACKING	JB	3-2-14
OK FOR PUBLIC REGISTER	AS	3/2/14
TYPE 1 PERMITS REGISTER	JB	EDcm



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### 3.0 CLIMATE CHANGE/ ENERGY RESOURCES (FUEL, GAS, ELECTRIC, STEAM & NITROGEN)

#### OBJECTIVE(S)

To reduce expenditure on fuels/energy

#### DELIVERABLE(S)

A trial undertaken to identify potential energy transmission losses from the Packages Boilers has identified significant potential savings.  
Cold Mill Boilers to be decommissioned 2014; Package Boilers to be mothballed; Existing steam boilers to be replaced in 2014.

### 4.0 RESPONSIBLE USE OF RESOURCES

#### 4.1 WATER

#### OBJECTIVE(S)

“To reduce the total quantity of water utilised on-site by 30%, compared to the average water usage 2009-2012, by 2020”

#### DELIVERABLE(S)

It is proposed to have developed a closed loop quench system on Colorcoat I by November 2014. This project will have a significant impact upon water usage when approved.

#### 4.2 WASTE

#### OBJECTIVE(S)

To reduce waste going to internal landfill by 10% year on year

#### DELIVERABLE(S)

The total amount of waste to landfill has increased in 2013 (**Figure 1**). This increase is as a result of major construction works at the site. A new site total waste management commenced on 1<sup>st</sup> April 2013. This contract is in its infancy and should reap rewards over the coming months.

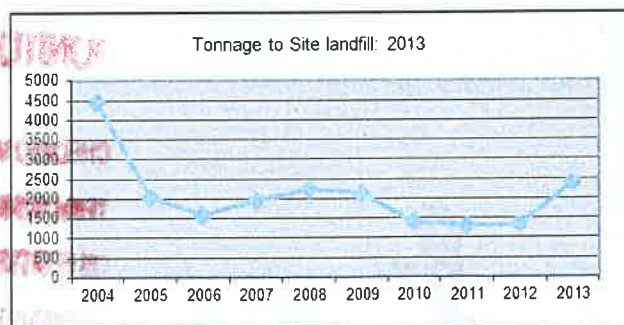


Figure 1; Annual Waste Disposal to Internal Landfill



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#### 5.0 LAND (PLANNING & CONTAMINATED LAND)

##### **OBJECTIVE(S)**

All developments to be 100% compliant with planning legislation/conditions

##### **DELIVERABLE(S)**

Limited applicability in 2013; wind-sock application being progressed for emergency response planning; Site visit from Flintshire County Council October 2013 to Landfill No 1; No identified non-conformances

#### 6.0 PRODUCT STEWARDSHIP (REUSE & RECYCLING)

##### **OBJECTIVE(S)**

Greater than 5% of No 5 Hot Dipped Galvanised products to be Cr Free

##### **DELIVERABLE(S)**

A notification to modify operations on HDG5 to enable chrome free passivation was achieved in June 2013; the % chrome free production is within the range 21.3% to 46%

#### 7.0 RESPONSIBLE PROCUREMENT

##### **OBJECTIVE(S)**

Maintain BES6001 Certification

##### **DELIVERABLE(S)**

BES6001 Certification maintained with increased application; Certification include Galvatite (Hot Dipped Galvanised Products)

#### 8.0 COMMUNITY ENGAGEMENT

##### **OBJECTIVE(S)**

Maintain links with local primary schools to promote awareness of industry in the environment; To increase the number of School Visits to the Nature Reserve to 12 per Year; (5/6 School Visits 2013/2014)

##### **DELIVERABLE(S)**

Six school visits completed in 2013; a maximum of 4 school visits achieved in previous years; the ultimate objective is to make the schools visits self-sustaining

#### 9.0 BIODIVERSITY & ECOLOGY

##### **OBJECTIVE(S)**

Maintain existing wildlife habitats and Partnerships

##### **DELIVERABLE(S)**

Strong links maintained between Merseyside Ringing Group & Tata Steel; Successful year in that the Common Tern returned to Shotton; Measures to mitigate against predation at design phase to be implemented 2014 as partial response to the risks presented by a potential drop in water level as a consequence of developing a closed loop quench system at Coatings II.

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