

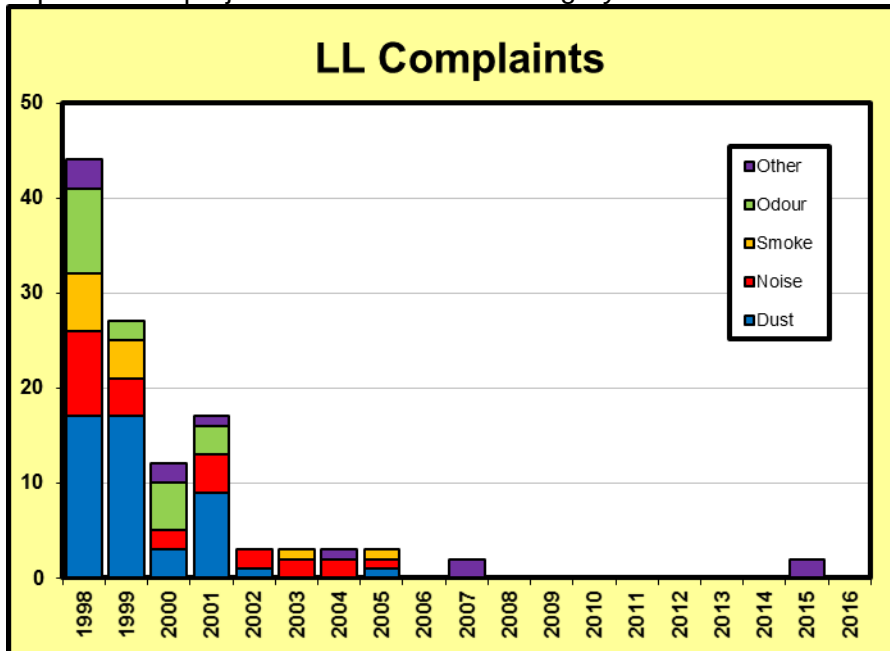
**EPR Permit Ref: BS3905IP. Tata Steel Strip Products UK, Llanwern Works
Re: Permit Condition: 4.1.4. EMS Summary of progress against targets 2014**

The following items comprise the improvement projects, which were in effect during 2015, as part of the ISO14001 Objectives, Targets & Programme(s) clause. These fall under the general headings: Compliance, CO2, Waste, Complaints (and Other), which reflect, and support the high-level company strategy for sustainability, as outlined in the Tata Steel Environmental Policy

27th January 2017

[1] Complaints & Air Quality

In contrast to some other Tata steelworks sites, the issues of complaints & air quality have not been a significant issue for Llanwern in recent years. As such, there were no improvement projects identified in this category.



[2] Compliance

EPR Compliance [Target – achieve CCS Band B]

At the time of writing this report, the total CCS points was 0.1 points. Mainly for suspended solids in effluent, which we saw several breaches during July and August of 2016. Hence a plan was put in place to clean lagoon 14 during September of 2016 which was completed to schedule and the derogation to permit ceased on 7th October 2016. A breach of hydrocarbon oil on 29th December 2016 was reported, a part B is yet to be submitted.

Mothballing

In October 2015 Tata announced the Mothballing of Hot Mill, Cold Mill and Pickle Line 1 at Llanwern. This remained the same during 2016 apart from flexible production on the 5 stand located in the cold mill. Management of Change process was implemented and is still in place to cover associated risks with the mothballing including environmental risks.

[3] CO2 Reduction

There have been number of projects (16) ongoing within the Llanwern works as part of a Strip products initiative known as the Energy Efficiency Wave. Examples include and not limited to:

Efficient lighting
Steam optimisation
Lagging
Improved Process Control
Variable Speed Drives

These projects are in differing stages ranging from concept to full implementation and are regularly reviewed. The table below summarises the gas and electrical savings:

	15/16 Actual	16/17 Actual	AP 16/17
Electricity kw/t	76.2k	74.2	72
Gas GJ/t	1.3	1.1	1.13

[4] Waste Management

The annual waste-recycling target was increased by an additional 5% from April 2016. From 45% to 50%. We achieved a result of 46.61% recycled materials. However, we have seen a reduction in general waste produced from site as noted in our annual waste report. The working relationship with site Waste Management Group remains positive, and are currently reviewing the scoped contract with waste management contractor Veolia.

[5] 'Other' Improvement Projects

Savings achievable if a small boiler was sited at Air Products and the steam main was cut back as far as the Slab Reheat Furnaces. Temporary package boiler was installed to allow the mains steam line to be isolated. This enabled Air Products adjacent to site to install an Ambairs system. This system came online during November 2016 at Air Products. Temporary boiler was off hired and removed from site.