



**Warwick Chemicals  
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**Report for the Environment Agency on the  
companies' progress against the annual  
improvement targets for the period 2012- 2014**

## INTRODUCTION

This report has been drafted in order to comply with clause 4.1.5 of the company's PPC permit, number BU 2357 (as varied):

"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".

## BACKGROUND

Warwick Chemicals is certificated to ISO 14001:2004 Environmental Management standard. As such Warwick is required to have documented Objectives and Targets according to clause 4.3.3 of this standard.

## REPORT

The usual list of items (see bullet points below) that the Company strives to improve each year has been combined with an additional list that had been compiled to try to focus attempts on some specific issues. Some of these items had been included again in the list as a result of on-going challenges for the Company over the past year, see point 1.

- Improve Acetic Acid recovery
- Reduce usage of Ethylene Diamine
- Reduce usage of Acetic Anhydride
- Improve chemical yield
- Reduce process cycle time
- Reduce quantity of material for Luwa processing

### Additional Targets for 2014 - 2015

#### **Regulatory Compliance:**

1. Reduce or eliminate the fungal solids in the waste water

#### **Pollution Prevention:**

2. Removal of the diesel storage tanks T080 and T093
3. Improved labelling and reduction of the quantity of the drums on site
4. The setting up of environmental (housekeeping) audits

#### **Improved Environmental Monitoring:**

5. Re-formation of the Energy Management team
6. Mains and Mostyn water management

## CONCLUSION

Graphs seen in Appendix 1 (Confidential information) show how the Company have performed against the usual metrics in the years 2012 to 2014.

With the new list of targets there have been a number of successes and some work which is still on-going. Some of the projects were held over for the following year. Points 1, 2 and 3 have been successful to a point, with some work required to complete these actions.

It can be seen from the graph of solid content in the discharged water that there has been an increase in Q2 and Q3 in 2014 which, having been identified, was then communicated and action taken to reduce the solid content.

Following some work carried out by the new Leadership Team Point 4 has been identified as an area that will be managed by a team looking at the site appearance and Point 5 has been picked up as a management initiative by another team.

PETER BRYANT  
HSE MANAGER

CONFIDENTIAL INFORMATION

APPENDIX 1





