



PART I: EXECUTIVE SUMMARY REPORT OF PERIODIC MONITORING OF EMISSIONS TO AIR

A2 Permit Number: A09/09

East Anglian Galvanizing Ltd.

Old North Road
Sawtry
Cambridgeshire
PE28 5XN

Monitoring Date: 19th March 2013

Cti Ref: 12517

Customer Ref: PE5706

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Held in Cti files in agreement with customer.

1.0 MONITORING OBJECTIVES

Sampling of emissions at East Anglian Galvanizing was undertaken at the request of Mr Robert Duxbury.

The aim of the monitoring campaign was to:

- undertake annual compliance monitoring

in accordance with the Site Specific Protocol issued on 11th January 2013 (Ref: 12517SSP).

The company is regulated as a Part A2 process. The available guidance notes applicable to the Process are:

Sector Guidance Note IPPC SG5 - Secretary of State's Guidance for A2 Activities in the Galvanizing Sector (September 2006).

Emission limits given in the results tables are taken from the requirements given in Permit No. A09/09

Tests were performed to quantify the levels of emissions from the following process:

Stack Ref	Emission Source	Substances Monitored
EAG 1	Galvanizing Extraction	Particulates

There were no special requirements applicable to the monitoring.

2.0 MONITORING RESULTS

Note: Uncertainty figures quote in this section represent the uncertainty at the 95% confidence level

Stack Ref.: EAG 1 Galvanizing Extraction

Particulates	Test 1 #	Test 2 #	Emission Limit Value
Concentration:	12 mg m ⁻³	17 mg m ⁻³	< 15 mg m ⁻³
Mass release:	57 g hr ⁻¹	83 g hr ⁻¹	-
Uncertainty:	± 0.99 mg m ⁻³	± 1.1 mg m ⁻³	-
Reference Conditions:	273K and 101.3kPa, without correction for water vapour content		
Date:	19/03/13	19/03/13	-
Test Period:	10:43 to 10:59 11:00 to 11:16	11:24 to 11:40 11:41 to 11:57	-
Duration:	32 mins	32 mins	-
Velocity:	2.7 m s ⁻¹	2.6 m s ⁻¹	-
Process Status:	Normal	Normal	-
Visibility:	Occasional white visible plume < 20 seconds every 15-20 minutes.		Free from persistent visible emission
Monitoring Method:	BS EN 13284-1:2002 Determination of low range mass concentrations of dust		
Isokinetic Rate:	103 %	104 %	95 % to 115 %
Blank Value:	0.37 mg m ⁻³		< 10 % ELV
Cti Accreditation for Use of Method:	MCERTS	MCERTS	-
Accreditation Status of Test:	None	None	-

- Test result not accredited under MCERTS – see section 4 for details.

3.0 OPERATING INFORMATION

Stack Ref.	Date	Process Type	Fuel	Feedstock	Abatement Type & operational status if abnormal	Load	Substance	Periodic Monitoring Result	Units
EAG 1	19/03/13	Continuous	N/a	Molten zinc	None	Normal	Particulates ^N	14	mg m ⁻³

Accreditation Status of test – (N) None

4.0 MONITORING DEVIATIONS

Substances not monitored in accordance with Environment Agency TGN M2:

Stack Ref.	Substance	Reason
EAG 1	Particulates	Air flow characteristics outside requirements of the standard; differential pressure < 5Pa