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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 11<sup>th</sup> 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:

<b>Stack Ref</b>	<b>Emission Source</b>	<b>Substances Monitored</b>
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
<b>Concentration:</b>	12 mg m <sup>-3</sup>	17 mg m <sup>-3</sup>	< 15 mg m <sup>-3</sup>
<b>Mass release:</b>	57 g hr <sup>-1</sup>	83 g hr <sup>-1</sup>	-
<b>Uncertainty:</b>	± 0.99 mg m <sup>-3</sup>	± 1.1 mg m <sup>-3</sup>	-
<b>Reference Conditions:</b>	273K and 101.3kPa, without correction for water vapour content		
<b>Date:</b>	19/03/13	19/03/13	-
<b>Test Period:</b>	10:43 to 10:59 11:00 to 11:16	11:24 to 11:40 11:41 to 11:57	-
<b>Duration:</b>	32 mins	32 mins	-
<b>Velocity:</b>	2.7 m s <sup>-1</sup>	2.6 m s <sup>-1</sup>	-
<b>Process Status:</b>	Normal	Normal	-
<b>Visibility:</b>	Occasional white visible plume < 20 seconds every 15-20 minutes.		Free from persistent visible emission
<b>Monitoring Method:</b>	BS EN 13284-1:2002 Determination of low range mass concentrations of dust		
<b>Isokinetic Rate:</b>	103 %	104 %	95 % to 115 %
<b>Blank Value:</b>	0.37 mg m <sup>-3</sup>		< 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 <sup>N</sup>	14	mg m <sup>-3</sup>

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