

Neil Chaplin
Senior Environmental Health Officer
City Services Coventry City Council
3rd Floor Broadgate House
Broadgate
Coventry
CV1 1NH

Our ref: Covrad/2010/RH
4th January 2011

Dear Neil,

Justification for change in Total Particulate Matter Sampling Methodology – Covrad Heat Transfer Limited, Coventry

Further to your request to our Client, Bob Holmes of Covrad Heat Transfer Ltd., please find below the justification as to why RPS adopted an alternative methodology for sampling Total Particulate Matter at this site.

RPS Consultants carried out the particulate monitoring at the Covrad site in February 2010 to BS EN 13284. The decision to use this standard was based on what we felt were sound technical reasons.

BS ISO 9096 is ‘the reference method for the measurement of particulate matter in waste gases of concentrations from 20mg/m³ to 1000mg/m³’.

BS EN 13284 is ‘the reference method for the measurement of low dust concentrations in ducted gaseous streams in the concentrations below 50 mg/m³’. Additionally ‘this method has been validated with special emphasis around 5mg/m³’.

The emission limit for all stacks measured by RPS Consultants at Covrad is 50mg/m³. The highest concentration recorded in three visits prior to February 2010 was 9.7 mg/m³ with most other measurements in the 1 to 5mg/m³ range.

These data fall squarely within the range of BS EN 13284 and outside of that specified in BS ISO 9096 and for this reason it was felt that BS EN 13284 was the most appropriate standard to employ.

The results from the February 2010 monitoring campaign were again in the 1 – 5 mg/m³ range for all stacks. Based on this we feel that BS EN 13284 is still the most appropriate method to employ in this instance.



Grafton Building, Caswell Science & Technology Park, Caswell, Towcester, Northamptonshire NN12 8EQ
T 01235 437100 F 01327 353113 E rpsmk@rpsgroup.com W www.rpsgroup.com

We would be happy to discuss the matter further with Covrad and Coventry City Council if required.

Yours Sincerely
for RPS Consultants Ltd



Richard Harvey
Principal Consultant