



## Compliance Inspection Checklist PG 5/2 - Crematoria

Pollution Prevention and Control Act 1999  
Environmental Permitting (England and Wales) Regulations 2010

Company Name:	Barrow Borough Council		
Address of Premises:	Thornccliffe Crematorium		
Date of Inspection:	23 <sup>rd</sup> February 2015	Start time:	10.00am
Site Contact:	Chris Pollard / Louise Bland	Finish time:	11.00am
Inspector:	Geoff Dowker	Duration:	1 hour
Reason for Inspection:	Annual Inspection 2015		
<b>Information required by the regulator</b>			
	<b>Yes</b>	<b>No</b>	<b>Comments</b>
Notify 7 days before annual monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Annual Monitoring results received within 8 weeks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Monitoring carried out on 17 <sup>th</sup> & 18 <sup>th</sup> December 2014, results received 8 <sup>th</sup> January 2015.
CEM results received every 6 months	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Box Below (Results are not appropriately averaged)
<b>Emissions</b>			
	<b>Yes</b>	<b>No</b>	<b>Comments</b>
Compliant with all relevant emission limits	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Annual Monitoring demonstrates compliance.
Visible emissions at boundary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Offensive odour beyond boundary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Monitoring, Investigations &amp; Recording</b>			
	<b>Yes</b>	<b>No</b>	<b>Comments</b>
Available and up to date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes- See box below
Daily assessments recorded	<input checked="" type="checkbox"/>	<input type="checkbox"/>	During CEM Monitor & Analyzer refurbishment, monitoring done every 20 mins manually- record sheets completed and filed.

Summary of CEM results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	New template format used.
Annual emissions testing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Report produced by Catalyst Environmental- compliant and up to date.
Adverse results recorded	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CEM monitors working but computer programme/ software needs alteration to average readouts and figure is scewed. (i.e. Averages of 0 for CO.)
Maintenance work recorded	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Work to upgrade CEM software and Analysers completed in August 2014.
Abnormal emissions / events	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Control of Operations</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
Controls on coffin construction and content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Volume of secondary combustion zone known	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE Compliance Inspection Checklist dated 26 <sup>th</sup> January 2012
Maintenance programme	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Next Reline projected for April 2015 and possible new cremators installed post 2016-17.
Staff training	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3 fully qualified staff now present on site. (1 New Employee in Training)
<b>Compliant</b>	<b>Y</b>	<b>e</b>	
	<b>s</b>	<b>No</b>	<b>Comments</b>
If no, what corrective action is required	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p><b>Information required by regulator</b> – CEM software recently upgraded but results reported are not appropriate although pollutant levels are compliant. Results that are produced are not averaged correctly, i.e. CO and Particulate readings show an average of 0 for a cremation, this is not an error- it is a bad average calculation of the readings, i.e. not averaged every 5mins, therefore readout is ‘scewed’.- P.J. Combustable solutions has been aquired to rectify and upgrade software at cost.</p> <p><b>CEM Results Monthly &amp; 6 Month Reports</b></p> <ul style="list-style-type: none"> <li>- All emission reports have been forwarded on time and the new ‘layout report’ has been forwarded since July 2014. No 6 Month reports have been received, however monthly reporting is up to date.</li> </ul>
			<p><b>Corrective Action / Recommendations</b></p> <ol style="list-style-type: none"> <li>1) The operator is to forward CEM reports for the last 6 months. <ul style="list-style-type: none"> <li>- six monthly Emission Reports should be sent to the regulator at the beginning of January &amp; July each year within the first 10 days of that month. (Although regulator notes that software programme cannot complete this action in the current mode.)</li> </ul> </li> <li>2) The operator should inform the regulator when the upgrade to the computer software is completed, it would be advantageous to see if reports can be backdated and thus reproduced with</li> </ol>

the appropriate averages etc.

- 3) In the event that no corrective measures to the 'software reporting system' have been carried out or the newly-installed software is not working accurately, then 'Catalyst' should be appointed to validate emissions independently while the reporting system is not functional. This may be arranged in June/ July after further communication and consideration.

#### **Other observations**

- On inspection- Gas leak reported and engineer acquired to resolve issue.
- With current software, no 6 month reports can be produced and this issue remains until the upgrade has been completed.
- Manager reports that a 're-line' of cremators taking place on 17<sup>th</sup> April and should last for a few days.
- Manager reports that building is under going a design and alteration which will incorporate offices- this should have no effect on the daily running of the cremators.
- Manager reported new cremators in 2016/2017 and enquired about abatement.