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25 JUL 2014

# Schedule 1 • Notification of abnormal emissions

## Part A

Permit Number		EPRIWP3836ZF	
Name of Operator		SITA Healthcare Ltd	
Location of Installation		Wrexham Clinical Waste Incinerator, Marlborough Road, Wrexham Industrial Estate, Wrexham LL13 9RJ	
Location of the emission		A1	
Time and date of the emission		15:08 – 15:24 & 15:26 – 15:42 on 22 APRIL 2014 (Report Received 20 May 2014)	
Substance(s) emitted	Media	Best estimate of the quantity or the rate of emission	Time during which the emission took place
Mercury (Bi-annual)	Air	0.158 mg/m <sup>3</sup>	15:08 – 15:24 & 15:26 – 15:42
Measures taken, or Intended to be taken, to stop the emission		No issues have been reported or initially identified with the combustion or abatement operations but further investigation will be carried out. A repeat sample and analysis shall be carried out to determine if the non-consenting result was atypically high, potentially due to an input to the Incinerator	

Name*	Toby Hudson
Post	SHEQ Manager
Signature	
Date	21 May 2014

\* authorised to sign on behalf of SITA Healthcare Limited

## Part B

Any more accurate information on the matters for notification under Part A.	A root cause analysis has been completed to eliminate potential sources of the breach (changes to abatement, changes to combustion etc.) The conclusion of the root cause analysis was that there were no identifiable changes to the process which could have caused the elevated mercury level the conclusion was that the breach was caused by the input of mercury containing wastes during the bi-annual testing. To support this tests have been completed using a Jerome Mercury Monitor (calibrated July 2013) on 29 <sup>th</sup> May 2014 the results of which are presented below. The highest reading obtained during the monitoring exercise was 0.003mg/m <sup>3</sup> well below the permitted limit of 0.05mg/m <sup>3</sup> . The results demonstrate that there is no on-going issue with elevated mercury levels and as such it is concluded that the reading obtained during the bi-annual monitoring was due to the burning of waste containing mercury.
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DETAILS	DATE
OK FOR PUBLIC REGISTER	L.C. 5.8.14
CLIPED TO PUBLIC REGISTER	JB EDM

Measures taken, or Intended to be taken, to prevent a recurrence of the incident	<p>A re-test of the bi-annual mercury levels will be organised to confirm the initial elevated result was a one-off occurrence.</p> <p>Customers have been contacted to try and locate the source of the waste which caused the elevated mercury level to ensure that appropriate segregation procedures are in place to ensure such an incident does not occur again.</p>
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Name*	Stephen Blay
Post	SHEQ Officer
Signature	
Date	30 May 2014

**Results of Mercury Monitoring 29<sup>th</sup> May 2014**

