

**From:** [Alan Gartside](#)  
**To:** [Stephen Blay](#)  
**Subject:** FW: QAL2  
**Date:** 28 October 2014 12:44:38  
**Attachments:** [CAT-1827 SITA Wrexham A1 Main Stack BS EN 14181 QAL2 Report V2.pdf](#)

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**From:** James Eldridge [mailto:james.eldridge@cat-env.com]  
**Sent:** 28 October 2014 12:30  
**To:** Alan Gartside; Alan AG. Gartside  
**Cc:** Toby Campbell; James Harmer  
**Subject:** RE: QAL2

Hi Alan

Thank you for your email, please see below the answers to questions put forward by Lara Cubley regarding our QAL2 report.

- A) Page 5 HCl short term ELV 60mg/m<sup>3</sup> not 80mg/m<sup>3</sup>. Please update and correct calculations to ensure ok.
- Unfortunately this is a miss-type in our report and should have been identified by the report writer and report checker prior to issue. The good news is all calculations are based on the Daily ELV and not the Short Term ELV, so in this case we have worked out our calculations and subsequent calibration functions on the limit of 10mg/m<sup>3</sup>. I have attached version 2 of our QAL2 report, with this mistake rectified to reflect the correct short term ELV at 60mg/m<sup>3</sup>. Please accept my apologies regarding this error and note that all respective calculations, calibrations functions and calibrated ranges remain the same.
- B) Some reference materials Page 37 are out of date. Please confirm if this is the case and also check if site/contractor reference materials at the bottom of page for linearity are in date as not provided?
- The table on page 37 basically details the calibration gas cylinders on site. It is simply a report of our audit of the on-site reference materials at the time of the QAL2 tests, which is a requirement of BS EN 14181. We can only detail what we have seen on site I'm afraid. With regards to the linearity checks, these were completed by the CEMs service agent independently from our testing. The CEMs service agent provided us with a copy of their functional checks and linearity reports, as data within is added to our own report. The linearity data provided had no dates detailed for the calibration gases used, if they were then these would of course been added into our report. As it were, we have simply reported that the date was not detailed, as it is very likely that the calibration gases did have dates associated with them. May I suggest you contact A1-CBISS for further information?
- C) On Page 40 – answered no to compliance with MCERTS for 3 CEMs. I am sure this is not the case, please confirm why answered no?
- Table 9 on page 40 is an audit of the service report provided by the CEMs service agent. There are number of minimum details that the service report

should contain and we simply complete an audit against these. In this case, the service report does not contain any MCERTS certification details regarding the CEMs and that is why we have stated 'no'. This is not to say the CEMs aren't MCERTS certified, because they in fact are so, as detailed in the table on page 9, with MCERTS certification numbers included. I hope this makes sense?

I hope the above answers the questions put forward and of course if I can be of further help please do not hesitate to contact me directly. Again, please accept my apologies for the incorrect Short Term ELV for Hydrogen Chloride.

Kind regards

James Eldridge

**Deputy Regional Manager - Stockport**



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**From:** [Alan.Gartside@sita.co.uk](mailto:Alan.Gartside@sita.co.uk) [<mailto:Alan.Gartside@sita.co.uk>]  
**Sent:** 28 October 2014 11:23  
**To:** Toby Campbell  
**Subject:** Fw: Mercury investigation

Hi Toby

Please find the attached email below, could you respond to the questions regarding the QAL 2 please.

Many Thanks

Alan Gartside

Site Manager Salford/Wrexham  
Tradebe Healthcare

The Incinerator Site, Hope Hospital, Stott Lane  
Salford, M6 8BB

Phone: 0161 787 6930, Fax: 0161 707 9088, Mob: 07917760322

----- Forwarded by Alan Gartside/UK/SITA/SLE on 28/10/2014 11:20 -----

From: "Cubley, Lara" <[Lara.Cubley@cyfoethnaturiolcymru.gov.uk](mailto:Lara.Cubley@cyfoethnaturiolcymru.gov.uk)>  
To: Stephen Blay <[stephen.blay@tradebe.com](mailto:stephen.blay@tradebe.com)>,  
Cc: "Alan AG. Gartside" <[alan.gartside@sit.co.uk](mailto:alan.gartside@sit.co.uk)>, "Toby Hudson" ([Toby.Hudson@tradebe.com](mailto:Toby.Hudson@tradebe.com))" <[Toby.Hudson@tradebe.com](mailto:Toby.Hudson@tradebe.com)>  
Date: 22/10/2014 16:59  
Subject: RE: Mercury investigation

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Hi Steve,

Just chasing a couple of things to close off the investigation etc into Mercury breach.

1) Please provide further data of the Jerome continuous monitoring organised for 18<sup>th</sup> August. Please provide technical specification, serial number of instrument, and calibration certificates together with results and interpretation of results.

2) Please provide review of abatement by filter medic 24<sup>th</sup> July.

4) Please also confirm APC residue graphical information provided. I take it the units for APC are mg/kg and what time units are on x-axis?

5) Please also provide further information regarding wastes being incinerated during Mercury breaches. I note two of the correspondence sent are to a waste services contractor. This may include a collection round from multiple premises. Data on premises to be provided. Information to be provided from DoC documentation to include descriptions of waste and EWCs too.

With regard to the QAL2 April 2014 it is encouraging to see variability and linearity passing for all CEMs. However, please confirm/correct the following:

- A) Page 5 HCl short term ELV 60mg/m<sup>3</sup> not 80mg/m<sup>3</sup>. Please update and correct calculations to ensure ok.
- B) Some reference materials Page 37 are out of date. Please confirm if this is the case and also check if site/contractor reference materials at the bottom of page for linearity are in date as not provided?
- C) On Page 40 – answered no to compliance with MCERTS for 3 CEMs. I am sure this is not the case, please confirm why answered no?

Please provide information as quickly as possible.

I will send out an Agenda for the audit on the 4<sup>th</sup> November shortly. As per Compliance assessment report 18<sup>th</sup> July. Please provide waste acceptance procedures shortly so I have a chance to review before the audit.

Many Thanks Lara

Lara Cubley

Swyddog Rheoliadol 1 (RhDP/RhSY) / Regulatory Officer 1 (PIR/RSR)

Cyfoeth Naturiol Cymru / Natural Resources Wales

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*Our purpose is to ensure that the natural resources of Wales are sustainably maintained, enhanced and used, now and in the future.*

**From:** Stephen Blay [<mailto:stephen.blay@tradebe.com>]

**Sent:** 05 August 2014 13:12

**To:** Cubley, Lara

**Cc:** Alan AG. Gartside

**Subject:** Mercury investigation

Lara,

Further to your CAR form dated 23<sup>rd</sup> July 2014 please find attached the requested information including:

Mercury re-test report conducted 30<sup>th</sup> June 2014

QAL2 report conducted April 2014

Report detailing the linearity checks

Copy of correspondence sent to customers who were identified as having delivered waste on the day of the breach.

Graphical representation of the historic trends in mercury levels comparing the levels in the APC.

SITA procedure for the inspection of waste deliveries.

The Jerome meter has been organised for week commencing 18<sup>th</sup> August Once the monitoring has been completed the report will be submitted ASAP.

The abatement system was reviewed by our contractor filtration medic on 24<sup>th</sup> July and we are waiting for the report once we have received it we will forward it on to you.

Further investigation into the potential source of the mercury containing waste has identified 3 potential sources. All 3 customers have been contacted and made aware of the issue. The letters to each of the customers has also been attached.

The review of mercury content of the APC does show an overall increasing trend in Mercury levels over the review period. We will continue to monitor this and investigate accordingly.

If you require any further information at this stage please do not hesitate to contact me.

Regards

Steve

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