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**FW: Mercury investigation**  
Cubley, Lara

**Sent:** 14 November 2014 09:45  
**To:** Bradford, Julie  
**Attachments:** Wrexham Mercury Report 29~1.docx (127 KB) [Preview on web]; Copy of app mercury conte~1.xlsx (20 KB) [Preview on web]; Email from Catalyst.pdf (2 MB) [Preview on web]; Email from CBISS.pdf (691 KB) [Preview on web]; Jerome Calibration Certifi~1.pdf (217 KB) [Preview on web]; Wrexham filtration medic ~1.pdf (531 KB) [Preview on web]; JEROME METRE TECHNICAL SP~1.docx (15 KB) [Preview on web]; SITA Healthcare Mercury P~1.docx (39 KB) [Preview on web]

**From:** Stephen Blay [mailto:stephen.blay@tradebe.com]  
**Sent:** 12 November 2014 12:14  
**To:** Cubley, Lara  
**Cc:** Alan AG. Gartside; Toby Hudson  
**Subject:** RE: Mercury investigation

Lara,

Please find attached information required to finalise the Mercury investigation.

I have referred to the supporting information in the Part B rather than attached it to the Part B.

Attached is the final report (Part B) detailing the breaches and the work carried out to investigate the breaches. Also attached is the requested information from your email below including the Calibration certificate and technical specification for the Jerome meter, amended APC graph with revised units and The Filtration Medic report.

Details of customers and details of EWC codes as requested are included within the Part B report.

With regards to the QAL2 attached are copies of communications from both Catalyst and CBISS addressing the points raised. A summary of the points raised is below:

- A) Page 5 HCl short term ELV 60mg/m3 not 80mg/m3. Please update and correct calculations to ensure ok.- This has been confirmed as a typing error see attached email and should read 60mg/m3
- B) Some reference materials Page37 are out of date.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?- Confirmation on attached email that reference gases are in date
- 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? - Confirmation in email attached that MCERTS are available for CEMS

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



Regards

Steve

**From:** Cubley, Lara [<mailto:Lara.Cubley@cyfoethnaturiolcymru.gov.uk>]  
**Sent:** 22 October 2014 16:59  
**To:** Stephen Blay  
**Cc:** Alan AG. Gartside; Toby Hudson  
**Subject:** RE: Mercury investigation

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  
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Cyfoeth Naturiol Cymru / Natural Resources Wales  
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[lara.cubley@naturalresourceswales.gov.uk](mailto:lara.cubley@naturalresourceswales.gov.uk)

*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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