



Lara Cubley  
Regulatory Officer 1 (PIR/RSR)  
Natural Resources Wales  
Chester Road  
Buckley  
Flintshire  
CH7 3AJ

Tradebe Healthcare National Limited  
The Recycle Centre  
Todwick Road Industrial Estate  
Bookers Way  
Dinnington  
S25 3SH

22<sup>nd</sup> May 2015

Dear Lara

**Wrexham Clinical Waste Incinerator Permit number EPR/WP3836ZF**

Thank you for your recent communication requesting information with regards the Clinical Waste Incinerator.

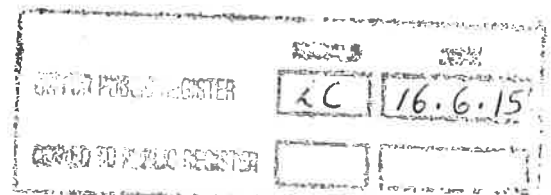
Please find the following documents enclosed:

- A signed copy of a summary document detailing the date of each delivery and corresponding amount delivered in kilograms of lime and carbon delivered to the installation for use in abatement over the 2 year period 01/04/13 to 31/03/15 inclusive.
- A signed copy of the technical specification for the carbon delivered.
- A signed email from the lime supplier detailing lime deliveries made to the site.
- A signed email from the carbon supplier detailing carbon deliveries made to the site.
- A copy of the procedure for retrieving and processing CEM data from the CBISS software system to produce the monthly CEM reports submitted to
- A disc containing Excel spread sheet files for the raw and corrected CEM data for the 6 month period 01/10/14 to 31/03/15 inclusive

I would also like to take the opportunity to confirm that Tradebe will undertake a Best Available Techniques (BAT) review of Flue Gas Treatment (FGT) at the Permitted installation with the aim of ensuring the Mercury Emission Limit set in the Permit is achieved.

The review shall refer to the Waste Incineration BREF (BAT reference) document August 2006

Tradebe will provide a report detailing a comparison of current permitted installation techniques versus BAT contained in the BREF highlighting any shortcomings with suggested actions for achieving BAT together with timescales for completion.



The BAT review shall include the techniques for effective bag filter and reagent injection system maintenance and management.

Tradebe will endeavour to complete this review by 3<sup>rd</sup> July 2015

As detailed in the Part B Notification dated 29<sup>th</sup> April 2015, regarding elevated mercury concentrations at A1, several improvements have been made to the carbon delivery system to ensure compliance;

- The carbon delivery system was cleaned by experienced maintenance personnel to ensure there was no potential for reduced carbon supply. Cleaning will be repeated at every planned shutdown.
- Hourly checks are being carried out and recorded on the carbon delivery system to ensure the carbon supply is adequate and consistent.
- Carbon delivery rate measurements have been taken to confirm adequate carbon is being delivered. Carbon delivery rate measurements will continue to be repeated regularly and will be added to the Planned Preventative Maintenance programme.
- A new motor and gearbox within an improved operational range have been fitted to the carbon delivery system to allow for a more consistent delivery of carbon to the system.

As a result of these improvement, when a subsequent mercury test sampled 28<sup>th</sup> April 2015 was analysed the result was compliant at 0.02mg/m<sup>3</sup> compared to the ELV of 0.05.

An additional mercury test is booked ahead of schedule to be sampled by the Accredited Stack Emission Sampling Contractor on 2<sup>nd</sup> June 2015. The expectation is that the result will remain in consent.

Yours sincerely,



Toby Hudson

SHEQ Manager



# Tradebe Healthcare Wrexham Procedure

## CEMS Data Reporting

<b>Owner:</b>	Wrexham Plant Manager
<b>Author</b>	SHEQ Assistant
<b>Approved by</b>	SHEQ Manager
<b>Date Approved</b>	22 May 2015
<b>Revision</b>	001
<b>Document Status</b>	Approved

This document and the information controlled therein is the property of the Tradebe UK. Reproduction or disclosure, by whatever means, in whole or part, is not permissible without prior consent.



This procedure is part of the Integrated Management System.

## **PURPOSE**

This document details the actions undertaken to handle and interpret the data downloaded from the CEMS system and report to the Environmental Regulator

## **SCOPE**

This procedure covers the management and reporting of CEMS data at the Wrexham Clinical Waste Incinerator

## **REFERRED DOCUMENTS / RECORDS**

Daily CEMS report  
Monthly CEMS report  
Daily shift log  
Environmental Permit emission limits  
Invalid Day annual totaliser  
Abnormal Operation annual totaliser

## **RESPONSIBILITY**

The Site Manager is responsible for ensuring that these procedures are adhered to.

## **TRAINING**

Only staff trained in this procedure should carry out the reporting of CEMS data

## **DEFINITIONS**

Abnormal Operation: any technically unavoidable stoppages, disturbances, or failures of the abatement plant or the measurement devices, during which the concentrations in the discharges into air may exceed the normal emission limit values. Waste must cease to be charged immediately if one or more of CO, VOC or particulate matter (dust) readings are not available or they breach the Abnormal Operation ELV duplicated from the Permit in the table below:

### **CEMS data Reporting**

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001



TRADEBE

Parameter	Normal ELV	Abnormal Operation ELV	period	Alternative / surrogate
Particulate matter (dust)	30 mg/m <sup>3</sup>	30 mg/m <sup>3</sup>	½ hour average	30 mg/m <sup>3</sup> ½ hr average
TOC	20 mg/m <sup>3</sup>	20 mg/m <sup>3</sup>	½ hour average	20 mg/m <sup>3</sup> ½ hr average
CO	150 mg/m <sup>3</sup>	150 mg/m <sup>3</sup>	95% of all 10 minute averages	100mg/m <sup>3</sup> ½ hr average

CDAS: Control and Data Acquisition System, the computer system that allows recording and reporting from the CEMS

CEMS: Continuous Emissions Monitoring system

Countable result: A valid average result whilst under normal operating conditions.

Daily CEMS report: report generated from the CDAS system

ELV: Emission Limit Value

Monthly CEMS report: A spread sheet report produced for submission to the Environmental Regulator

n/a result: displayed on the Daily CEMS sheet because of either:  
The plant was not in normal operation and no reading should have been recorded  
Or the plant was in normal operation and no valid reading was taken by the CEMS.  
This is a breach of Permit Conditions and shall be reported to SHEQ and subsequently the Environmental Regulator

Non-countable result: an average result that should not be included in the results for the calendar day as the plant was not under normal operating conditions.

Normal Operating Conditions: Waste is being charged and there is no Abnormal Operation.

Valid Calibration ½ hourly average: Where the plant is in normal operating condition and the CEMS equipment is being calibrated or maintained but a minimum of 20 minutes readings are available for the ½ hour average and the result should be. A maximum of 5 ½ hour averages considered valid in this way are permitted per day. Any more than five are considered in valid

#### CEMS data Reporting

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001



## TRADEBE

**Invalid ½ hourly average:** Where the plant is in normal operating condition and the CEMS equipment is being calibrated or maintained then if less than 20 minutes of valid readings were obtained in the ½ hour period the period is deemed invalid.

**Invalid daily average:** Where the plant is in normal operating condition and there have been more than 5 invalid ½ hour averages or more than 5 Valid Calibration ½ hour averages. Ten such days are allowed per calendar year and should be identified on the Monthly CEMS sheet.

### PROCEDURE

1. Print out the relevant days Daily CEMS report
  - 1.1. From the CEMS display select CDAS report
  - 1.2. Select new report
  - 1.3. Select analogue report
  - 1.4. Select required dates
  - 1.5. Press next
  - 1.6. Select adjusted data
  - 1.7. Select next
  - 1.8. Select thirty minute average
  - 1.9. Select twenty minute data points for valid average
    - 1.9.1. Twenty minutes to ensures that only valid ½ hours are reported.
  - 1.10. Select daily average
  - 1.11. Select maximum average
  - 1.12. Select minimum average
  - 1.13. Select next
  - 1.14. Select next
  - 1.15. Select required parameters (from permit)

#### CEMS data Reporting

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001



## TRADEBE

- 1.16. Select next
- 1.17. Select finish
- 1.18. The CEMS daily report will be generated by the system
- 1.19. Print a copy of the report
2. Refer to the shift logs and other available data to annotate the printout to detail the following (include the exact time):
  - 2.1. Countable results:
    - 2.1.1. valid ½ hour calibration results allowing for maintenance or Calibration of the CEMS
      - 2.1.1.1. including QAL 3
  - 2.2. Non countable results. The following are non-countable if there is less than 20 minutes of normal operating conditions in the the half hour period otherwise the result is countable.
    - 2.2.1. Start Up.
      - 2.2.1.1. Start up ends when waste is first charged.
    - 2.2.2. Waste ceased being charged.
    - 2.2.3. Shut down.
      - 2.2.3.1. Plant is non-operational or being returned to a non-operational state.
    - 2.2.4. Abnormal Operation.
    - 2.2.5. Emergency Relief Vent (ERV) open.
- 2.3. Invalid results:
  - 2.3.1. Periods of Normal Operating condition but only an n/a result is available.
  - 2.3.2. If there are more than 5 instances of a valid ½ hour calibration result occurring in a calendar day
- 2.4. Once complete, sign, date and save a scanned copy with the title:

### CEMS data Reporting

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001



TRADEBE

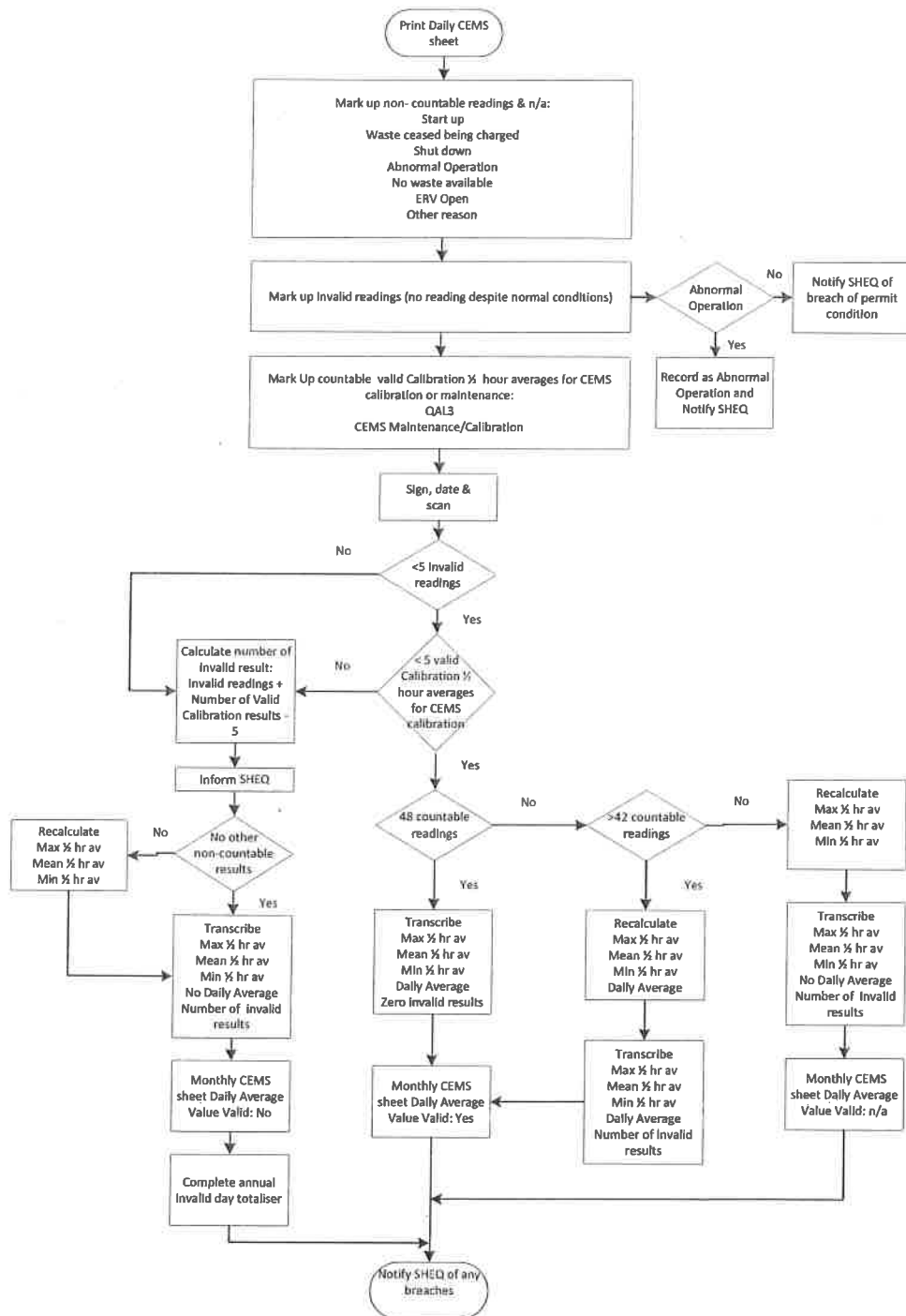
- 2.4.1. WREXHAM DAILY CEMS dd mmm yyyy
- 2.5. Review the data added and notify SHEQ of any breaches or issues of concern without delay and SHEQ will notify the Environmental Regulator if required.
- 3. Invalid results
  - 3.1. If the invalid results includes one or more of CO, VOC or particulate matter that must be notified to SHEQ and subsequently the Environmental Regulator as being unable to demonstrate compliance with an ELV
  - 3.2. If the invalid result satisfies the criteria of Abnormal Operation then it should be notified and to SHEQ and subsequently the Environmental Regulator
- 4. Completing the Monthly CEMS report
  - 4.1. Follow the process on the flow sheet for parameters excluding CO

CEMS data Reporting

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001



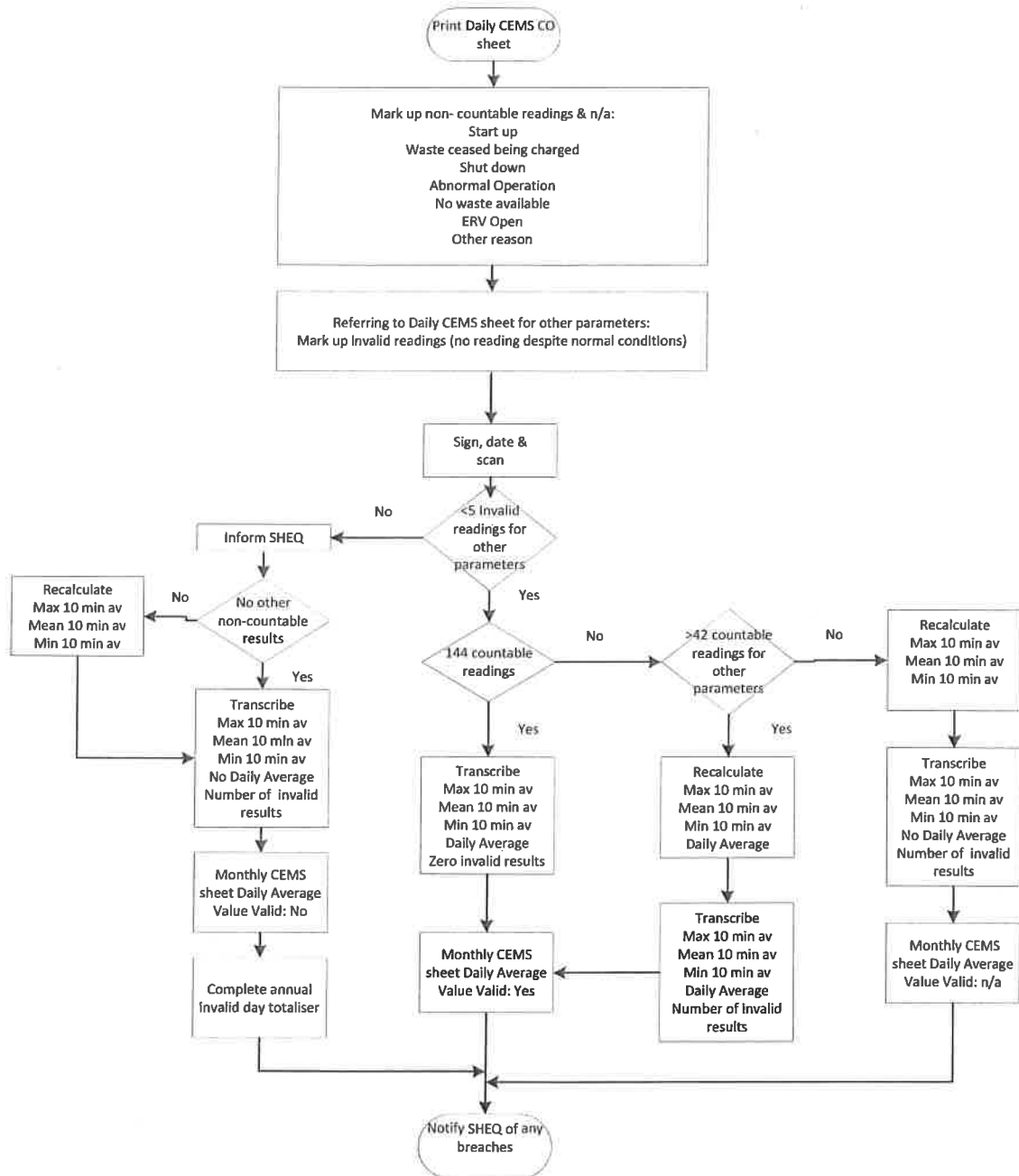


#### CEMS data Reporting

Owner: Wrexham Plant Manager  
 Author: SHEQ Assistant  
 Document Status: Approved

Approved by : SHEQ Manager  
 Date Approved: 22 May 2015  
 Revision Number: 001

4.2. Follow the process on the following flow chart for CO.



CEMS data Reporting

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001



## TRADEBE

- 4.3. Review the data added and notify SHEQ of any breaches or issues of concern without delay and SHEQ will notify the Environmental Regulator if required.
- 4.4. Save the Monthly CEMS sheet and when the month is completed send to SHEQ to review and forward to the Environmental Regulator
- 4.5. Record any Invalid daily results in a site Invalid Day totaliser with the title:
  - 4.5.1. WREXHAM Invalid day total yyyy

## RECORDS

CEMS Daily Reports  
CEMS Monthly Reports  
Shift Log  
Invalid Day annual totaliser  
Abnormal Operation annual totaliser

### CEMS data Reporting

Owner: Wrexham Plant Manager  
Author: SHEQ Assistant  
Document Status: Approved

Approved by : SHEQ Manager  
Date Approved: 22 May 2015  
Revision Number: 001

**From:** Toby Hudson  
**To:** Toby Hudson  
**Subject:** FW: Carbon deliveries- Wrexham  
**Date:** 22 May 2015 07:24:32  
**Attachments:** [image001.png](#)

 22 MAY 2015

---

**From:** Steve Challinor [<mailto:steve.challinor@activated-carbon.com>]  
**Sent:** 07 May 2015 16:04  
**To:** Stephen Blay  
**Subject:** RE: Carbon deliveries- Wrexham

Steve,

FGT+ we have supplied in 2 tonne lots over the last couple of years.

18<sup>th</sup> June 2012

21<sup>st</sup> Dec 2012

16<sup>th</sup> Aug 2013

27<sup>th</sup> June 2014

May 2015

Best regards  
Steve Challinor  
Area Sales Manager



CPL Carbon Link  
[www.activated-carbon.com](http://www.activated-carbon.com)  
Mob: +44 7771 503960  
Tel: +44 1942 824 240  
Fax: +44 1942 824 133

**From:** Stephen Blay [<mailto:stephen.blay@tradebe.com>]  
**Sent:** 06 May 2015 12:55  
**To:** Steve Challinor  
**Cc:** Toby Hudson  
**Subject:** Carbon deliveries- Wrexham

Steve,

I have been asked to get delivery information for carbon delivered to Wrexham over the last 2 years.

I don't know if you hold information going back that far but it would be very much appreciated if you could forward me any delivery info. E.g. number of deliveries and amount delivered.

Regards

Steve



22 May 2015

**Summary of Carbon and Lime Deliveries: 01/04/2013- 31/03/2015**

PRODUCT	DELIVERY DATE	QUANTITY (Kg)
Carbon	16/08/2013	2000
Carbon	27/06/2014	2000
Carbon	07/05/2015	2000
Lime	09/04/2013	14560
Lime	15/05/2013	15760
Lime	08/07/2013	15840
Lime	03/08/2013	15220
Lime	17/09/2013	15620
Lime	17/10/2013	15220
Lime	27/11/2013	15220
Lime	13/01/2014	15060
Lime	07/02/2014	15340
Lime	06/03/2014	16460
Lime	05/04/2014	15980
Lime	30/04/2014	15400
Lime	09/06/2014	14720
Lime	11/07/2014	15020
Lime	01/08/2014	18100
Lime	04/09/2014	15660
Lime	09/10/2014	18940
Lime	03/11/2014	17920
Lime	05/12/2014	18300
Lime	29/12/2014	18200
Lime	12/02/2015	17940
Lime	20/03/2015	18160

From: Stephen Ray  
To: John Lewis  
Subject: RE: Wrexham line delivery  
Date: 13 May 2015 14:00  
Attachments: 02051501

*[Handwritten signature]*

22 May 2015

John,

More line delivery data going back to 2012

Regards

Steve

From: SALT Daniels [mailto:salt@saltdaniels.com]  
Sent: 15 May 2015 14:00  
To: Stephen Ray  
Subject: RE: Wrexham line delivery

Good Afternoon Stephen,

Please see below

Delivery	SP#	Scp	Goods Issue	Delivery date	Inst	Sold to pt	Sold to pt	Ship to	Ship to party name	Transport	Trail	Trp	Est. Delivery	Material	UoM	SO Description	Ref.doc	Revision
10961209	GB12	GBAB	21.12.2012	21.12.2012	CPT	210660	TRADEE	143120	SITA UK WREXHAM MGSBAFF	T2	72	2101	GB1200061205	2100	14.360	TO Sorbocal® SP Bnk	2243669	005235620
10961555	GB12	GBAB	23.01.2013	23.01.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM MGSBAFF	T2170	2101	GB1200070121	2100	16.240	TO Sorbocal® SP Bnk	2260418	005317414	
10961137	GB12	GBAB	25.02.2013	25.02.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM MGSBAFF	T2	2101	GB1200071351	2100	17.540	TO Sorbocal® SP Bnk	2278119	005421876	
10992573	GB12	GBAB	09.04.2013	09.04.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM DOLLEVO	IS	IS	2101	GB1200073048	2100	14.560	TO Sorbocal® SP Bnk	2305616	005562815
11012653	GB12	GBAB	15.05.2013	15.05.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM MGSBAFF	T1	71	2101	GB1200074370	2100	15.760	TO Sorbocal® SP Bnk	2321257	005677270
11034404	GB12	GBAB	08.07.2013	08.07.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	487474	2101	GB1200076295	2100	15.840	TO Sorbocal® SP Bnk	2367787	005834811	
11045571	GB12	GBAB	03.08.2013	03.08.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJHFX	P058	2101	GB1200077180	2100	15.220	TO Sorbocal® SP Bnk	2384956	005897638	
11065790	GB12	GBAB	12.09.2013	12.09.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200078719	2100	15.620	TO Sorbocal® SP Bnk	2415801	006015150	
11070740	GB12	GBAB	17.10.2013	17.10.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P054	2101	GB1200079839	2100	15.220	TO Sorbocal® SP Bnk	2434219	006099981	
11095293	GB12	GBAB	27.11.2013	27.11.2013	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P059	2101	GB1200081326	2100	15.220	TO Sorbocal® SP Bnk	2460233	006209782	
111100270	GB12	GBAB	13.01.2014	13.01.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200082740	2100	15.060	TO Sorbocal® SP Bnk	2486004	006336125	
111066247	GB12	GBAB	07.02.2014	07.02.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200083811	2100	15.340	TO Sorbocal® SP Bnk	2497224	006414825	
111306673	GB12	GBAB	06.03.2014	06.03.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P058	2101	GB1200084652	2100	14.400	TO Sorbocal® SP Bnk	2534976	006507545	
111418368	GB12	GBAB	05.04.2014	05.04.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200086125	2100	15.900	TO Sorbocal® SP Bnk	2534996	006595632	
111531251	GB12	GBAB	30.04.2014	30.04.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200087184	2100	15.400	TO Sorbocal® SP Bnk	2536455	006665891	
111689139	GB12	GBAB	09.06.2014	09.06.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200088054	2100	14.720	TO Sorbocal® SP Bnk	2577380	006780783	
111818209	GB12	GBAB	11.07.2014	11.07.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200090171	2100	15.020	TO Sorbocal® SP Bnk	2599647	006887056	
111902390	GB12	GBAB	01.08.2014	01.08.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJHFX	P058	2101	GB1200090872	2100	18.100	TO Sorbocal® SP Bnk	2613707	006943083	
112045249	GB12	GBAB	04.09.2014	04.09.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200092230	2100	15.660	TO Sorbocal® SP Bnk	2637531	007042627	
112197615	GB12	GBAB	09.10.2014	09.10.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200093596	2100	18.940	TO Sorbocal® SP Bnk	2643155	007136170	
112282033	GB12	GBAB	03.11.2014	03.11.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200094672	2100	17.920	TO Sorbocal® SP Bnk	2660225	007220209	
112418046	GB12	GBAB	05.12.2014	05.12.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJHFX	T20	2101	GB1200095872	2100	18.300	TO Sorbocal® SP Bnk	2666295	007324469	
112489279	GB12	GBAB	29.12.2014	29.12.2014	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200096632	2100	16.200	TO Sorbocal® SP Bnk	2705295	007391031	
112638373	GB12	GBAB	12.02.2015	12.02.2015	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200098545	2100	17.940	TO Sorbocal® SP Bnk	2714246	007548555	
112771390	GB12	GBAB	20.03.2015	20.03.2015	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJCCV	P064	2101	GB1200100320	2100	18.160	TO Sorbocal® SP Bnk	2762424	007684795	
112898575	GB12	GBAB	24.04.2015	24.04.2015	CPT	210660	TRADEE	143120	SITA UK WREXHAM DALJHFX	P064	2101	GB1200101874	2100	18.500	TO Sorbocal® SP Bnk	2770554	007806643	

435, 10

Kind regards,

Danielle Salt  
Customer Services & Logistics Assistant

United Northern Europe  
Midway, Boston, Derbyshire  
B11 1LJ, (England, England)  
Office: +44 (0)1293 758 606  
Direct: +44 (0)1293 758 606

Email: [danielle.salt@saltdaniels.com](mailto:danielle.salt@saltdaniels.com)  
<http://www.saltdaniels.com>

The email and its contents are for the use of the individual named in the subject line only. If you are not the named individual, you should not disseminate, distribute or act on the information in any way. Please notify the sender immediately if you have received this email in error and delete this message.

From: Stephen Ray [mailto:stephen.ray@saltdaniels.com]  
Sent: 13 May 2015 13:42  
To: SALT Daniels  
Subject: RE: Wrexham line delivery

Danielle,

Not at all possible could you send me same information going to December 2012

Regards

Steve

From: SALT Daniels [mailto:salt@saltdaniels.com]  
Sent: 16 May 2015 14:00  
To: Stephen Ray  
Subject: RE: Wrexham line delivery

Good Afternoon Steve,

Please see below as requested

Delivery date	Sold to pt	Ship to	Ship to party name	Transport	Trail	Est. Delivery	Material	UoM	SO Description	Ref.doc	Revision	Effig Doc
15.05.2013	TRADEE	143120	SITA UK WREXHAM MGSBAFF	T1	71	GB1200074390	2100	15.760	TO Sorbocal® SP Bnk	2329257	005677276	303419386
08.07.2013	TRADEE	143120	SITA UK WREXHAM DALJCCV	487474	2101	GB1200076295	2100	15.840	TO Sorbocal® SP Bnk	2367787	005834811	303506940
03.08.2013	TRADEE	143120	SITA UK WREXHAM DALJHFX	P058	2101	GB1200077180	2100	15.220	TO Sorbocal® SP Bnk	2384956	005897638	303554523
17.09.2013	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200078719	2100	15.620	TO Sorbocal® SP Bnk	2415801	006015150	303633140
17.10.2013	TRADEE	143120	SITA UK WREXHAM DALJCCV	P054	2101	GB1200079839	2100	15.220	TO Sorbocal® SP Bnk	2434219	006099981	303687509
27.11.2013	TRADEE	143120	SITA UK WREXHAM DALJCCV	P059	2101	GB1200081326	2100	15.220	TO Sorbocal® SP Bnk	2460233	006209782	303752765
13.01.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200082740	2100	15.060	TO Sorbocal® SP Bnk	2486004	006336125	303813741
07.02.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200083811	2100	15.340	TO Sorbocal® SP Bnk	2497224	006414825	303895187
06.03.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P058	2101	GB1200084652	2100	14.400	TO Sorbocal® SP Bnk	2534976	006507545	303899038
05.04.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200086125	2100	15.900	TO Sorbocal® SP Bnk	2534996	006595632	303939065
30.04.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200087184	2100	15.400	TO Sorbocal® SP Bnk	2536455	006665891	303995020
09.06.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200088054	2100	14.720	TO Sorbocal® SP Bnk	2577280	006780783	304055089
11.07.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200090171	2100	15.020	TO Sorbocal® SP Bnk	2599647	006887056	304105878
01.08.2014	TRADEE	143120	SITA UK WREXHAM DALJHFX	P058	2101	GB1200090872	2100	18.100	TO Sorbocal® SP Bnk	2613707	006943083	304118098
04.09.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200092230	2100	15.660	TO Sorbocal® SP Bnk	2637531	007042627	304204084
09.10.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200093596	2100	18.940	TO Sorbocal® SP Bnk	2643155	007136170	304264662
03.11.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200094672	2100	17.920	TO Sorbocal® SP Bnk	2660225	007220209	304312998
05.12.2014	TRADEE	143120	SITA UK WREXHAM DALJHFX	T20	2101	GB1200095872	2100	18.300	TO Sorbocal® SP Bnk	2666295	007324469	304344539
29.12.2014	TRADEE	143120	SITA UK WREXHAM DALJCCV	P055	2101	GB1200096632	2100	16.200	TO Sorbocal® SP Bnk	2705295	007391031	304395927
12.02.2015	TRADEE	143120	SITA UK WREXHAM DALJCCV	P060	2101	GB1200098545	2100	17.940	TO Sorbocal® SP Bnk	2714246	007548555	304448751
20.03.2015	TRADEE	143120	SITA UK WREXHAM DALJCCV	P064	2101	GB1200100320	2100	18.160	TO Sorbocal® SP Bnk	2762424	007684795	304500068
24.04.2015	TRADEE	143120	SITA UK WREXHAM DALJHFX	P064	2101	GB1200101874	2100	18.500	TO Sorbocal® SP Bnk	2770554	007806643	304549942

362,660 TO

Kind Regards,

Danielle Salt  
Customer Services & Logistics Assistant

United Northern Europe

Th

22 MAY 2015

Heckler, Susan, Derbyshire  
Ss11 0ES, Elyfield (England)  
Office: +44 (0)1258 768 666  
Direct: +44 (0)1258 768 620

E-mail: [susan@hecton.co.uk](mailto:susan@hecton.co.uk)  
<http://www.hecton.co.uk/>

This e-mail and its attachments may contain confidential information or be subject to  
the Copyright Act 1988. It is intended for the use of the person named. If you are not the  
named person, you should not disseminate, distribute or copy this e-mail. Please notify the  
sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail.  
If you are not the named person you should not disseminate, distribute or copy this e-mail.

From: Stephen Bay ([stephen@salt.co.uk](mailto:stephen@salt.co.uk))  
Sent: 05 May 2015 11:44  
To: SALT Creative  
Cc: Toby Hudson  
Subject: Wetherham - time delivery

Dear Christine,

Further to our conversation I have been asked to get data for the last 2 years on the amount of time we have had delivered from yourselves to the Wetherham Incinerator site

Any information would be very much appreciated.

Regards

Steve

## Filtracarb® FGT+

Filtracarb® FGT+ is a granular activated carbon manufactured from specially selected grades of coal by a steam activation process and blended with high performance cokes at our UK production facility.

Filtracarb® FGT+ is manufactured under stringently controlled conditions to produce a porous adsorbent with a highly developed surface area.

Filtracarb® FGT+ has achieved an excellent reputation for its high performance throughout the flue gas treatment sector over many years.

### Key Product Features

- Designed for optimal flue gas treatment
- Highly developed pore structure
- Excellent heavy metal adsorption
- Optimum dioxin and furan removal efficiency
- Supplied to BS EN ISO 9001:2008

### Properties

Parameter	Unit	Value	Method
Type		coal	
Iodine number (blend)	mg g <sup>-1</sup>	500	ASTM D4607
Moisture as packed	% max	5	ASTM D2867
Mesh size US sieve:-			Wet sieve
> 40 (425 µm)	%	0	
> 70 (212 µm)	%	Trace	
< 200 (75 µm)	% min	85	
D50	µ	<60 µm	
Bulk density	g cm <sup>-3</sup>	0.5 – 0.6	ASTM D2854
Dust Explosion Class		St1	VDI-2263
Smoulder Temperature	°C	>450	VDI-2263
Surface area	m <sup>2</sup> g <sup>-1</sup>	600	BET N <sub>2</sub>
Methylene blue number	mg g <sup>-1</sup>	100	



*22 May 2015*

Part of CPL Industries

## PRODUCT.

Typical properties reflect average values from product analysis.

All tests are based on American Standard Test Methods (ASTM) unless otherwise stated.

Activated Carbon is manufactured from naturally occurring products and is therefore subject to natural variation which occurs from batch to batch.

Information is valid on the date of issue, however, as part of our policy of continuous development, CPL Carbon Link reserve the right to modify specifications without prior notice. To obtain a current up to date sales specification with test methods, please contact CPL Carbon Link.

## PACKAGING AND TRANSPORTATION.

20Kg/25Kg on 500 kg net weight per pallet (double stacked), shrink wrapped  
500Kg and 1000Kg net weight Bulk bags on a pallet, shrink wrapped  
Bulk Tanker

Packaging is subject to availability.

Virgin and Regenerated Activated Carbons are exempt from DOT, IATA and IMDG regulations.

H.S. Tariff Code: 38 02 10 000

CAS Number: 7440-44-0

CPL Carbon Link Reach Registration number: 01-2119488894-16-0004

## SAFETY WARNING.

Avoid inhalation of Carbon Dust, Wet Activated Carbon depletes Oxygen in confined spaces, appropriate safety equipment should be worn when handling Activated Carbon products — please refer to our MSDS for more details.

Some Impregnated Carbons are prone to self-heating following installation, especially in the presence of high concentrations of contaminants. In this case, the ventilation fan for the system should be utilized during the filling of the unit and for 24 hours following installation or service. If you are unsure if this will affect you please discuss with us prior to commencing installation.

FGT+ IS NOT IMPREGNATED *22 May 2015*



Sterling House, 2 Park Street, Wigan, UK WN3 5HE  
Tel: +44 (0)1942 824240 Fax: +44 (0)1942 824133  
Email: [info@activated-carbon.com](mailto:info@activated-carbon.com) [www.activated-carbon.com](http://www.activated-carbon.com)

*Manufacture, Regeneration  
and Supply of Activated Carbon*