

From: [Ross, Stuart](#)
To: [Bradford, Julie](#)
Subject: FW: CAR BL10961B/0195601
Date: 17 December 2013 09:49:48
Attachments: [Iodine results.pdf](#)
[MBM halides.PDF](#)
[Raw meal, PFA & Sand XRF.pdf](#)
[CASTLE CEMENT WALKWAY.PDF.zip](#)

For public register

Cheers

Stu

From: Quick, David J (Padeswood) GBR [mailto:david.quick@hanson.biz]
Sent: 13 December 2013 12:47
To: Ross, Stuart
Cc: Young, Gary (Clitheroe) GBR; Cowell, Paul (Clitheroe) GBR; Smith, Victoria (Padeswood) GBR
Subject: CAR BL10961B/0195601

Stuart,

With reference to your recent CAR please see below.

Plume colouration

Results from additional fuels and raw materials testing attached.

Noise mitigation

Please find design drawings for the steelwork attached. This work will be completed by 31/1/14

Revised Jetting Procedure

You have requested this by 18/12/13. We have had our first working group meeting to review this procedure and a number of safety points were raised that require clarification. As communicated previously, jetting work can be particularly hazardous. Part of the review process will necessarily involve the third party contractor who carries out the majority of the jetting work for us. It is unlikely that we will be able to meet with the contractor and finalise this procedure prior to Christmas. Given that we are on shutdown during January would you please extend the target date for this until 31/1/14?

Notifications

Victoria Smith will forward you both of the part B notifications you have requested today.

If you have any other queries please do not hesitate to contact me

Regards

David Quick
Operations Manager
Hanson Cement
Padeswood Works
+44 (0)7713685727

	INITIALS	DATE
OK FOR PUBLIC REGISTER	JK	20/12/13
COPIED TO PUBLIC REGISTER	JB	EDDM

This e-mail and any attachment transmitted with it are confidential and are intended for the named person's use only. The contents of the e-mail may contain sensitive and private or legally privileged information. If you have received this e-mail in error, please delete it (and any attachment) from your system and notify the sender immediately. You should not retain, copy or print the contents of this e-mail (or any attachment) nor should you, directly or indirectly, disclose or distribute the contents to anyone.

SEARCH	SEARCH	SEARCH
SEARCH	SEARCH	SEARCH
SEARCH	SEARCH	SEARCH



2 Shaftesbury Industrial Centre, Icknield Way, Letchworth, Hertfordshire SG6 1HE
 T +44 (0)1462 480400 F +44 (0)1462 480403 E rpsmh@rpsgroup.com W www.rpsgroup.com



Analytical Report

Hanson Cement
 Padeswood Works
 Chester Road
 Padeswood, Mold
 Flintshire, CH7 4HB

Report No: 13-34539/1
 Date Received: 18/11/2013
 Date Tested: 20/11/2013 to 21/11/2013
 Date Issued: 27/11/2013
 Page: 1 of 1

For the attention of: Christopher Jones

By email

2 solid samples received from Hanson Cement (O/N: 46970414) in plastic bags were analysed as shown below. Analytical methods employed are available on request. Results are reported on an as received basis unless otherwise specified.

Laboratory reference	Client reference	Other reference	Iodine mg/kg 7553-56-2	chlorine (total) mg/kg 7782-50-5
236148	MBM 29/10/13	n/a	< 50.0	< 10.00
236149	MBM August ETS	n/a	< 50.0	< 10.00

Comments:

It was necessary to dilute samples (1:10) prior to analysis due to interference from the true colour of the extract. The reporting limit for chlorine has been raised accordingly.

Marco Lattughi
Senior Operations Manager

INORGANIC ANALYSIS REPORT

ceram

Queens Road, Penkull, Stoke-on-Trent,
Staffordshire, ST4 7LQ, UK

tel: (customer enquiries) +44 (0)1782 764428
tel: (switchboard) +44 (0)1782 764444
fax: +44 (0)1782 412331
email: enquiries@ceram.com
web: www.ceram.com



0013

Hanson Cement
Padeswood Works
Padeswood
Mold
Flintshire
CH7 4HB



FAO: Chris Jones

Report of Tests on: Raw Meal

Your Reference: 23/10/13

Ceram Reference: (135849)-24703

Date Reported: 20-Nov-2013

Order Number: 46970416

Date Logged: 13-Nov-2013

Date(s) of Test(s): 19-Nov-2013 to 20-Nov-2013

XRF Analysis

Methods C201 based on BSEN ISO 12677:2011

Result(s)		Units	
Sample Basis			Dried 110 deg C
Silicon Dioxide	SiO ₂	%	14.63
Titanium Dioxide	TiO ₂	%	0.16
Aluminium Oxide	Al ₂ O ₃	%	3.77
Iron (III) Oxide	Fe ₂ O ₃	%	1.36
Calcium Oxide	CaO	%	42.24
Magnesium Oxide	MgO	%	0.73
Potassium Oxide	K ₂ O	%	0.47
Sodium Oxide	Na ₂ O	%	0.17
Phosphorus Pentoxide	P ₂ O ₅	%	0.08
Chromium (III) Oxide	Cr ₂ O ₃	%	<0.01
Manganese (II,III) Oxide	Mn ₃ O ₄	%	0.03
Zirconium Oxide	ZrO ₂	%	<0.02
Hafnium (IV) Oxide	HfO ₂	%	<0.01
Lead Oxide	PbO	%	<0.02
Zinc Oxide	ZnO	%	0.01
Barium Oxide	BaO	%	0.04
Strontium (II) Oxide	SrO	%	0.05
Tin (IV) Oxide	SnO ₂	%	<0.01
Copper Oxide	CuO	%	<0.01
Loss on Ignition		%	35.74
Loss on Ignition Temperature		°C	1025
Total		%	99.48
Sulphur Trioxide	SO ₃	%	0.35
UKAS Accredited			Yes

The sulphur trioxide may not be a total sulphur figure but is the sulphur remaining after LOI and fusion. Results are quoted to 2 decimal places but are accurate to 3 significant figures or the number of figures given, whichever is the lesser.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

End of Test Report

Mrs Sharon Mansfield
Author

INORGANIC ANALYSIS REPORT

ceram

Queens Road, Penkhull, Stoke-on-Trent,
Staffordshire, ST4 7LQ, UK



0013

Hanson Cement
Padeswood Works
Padeswood
Mold
Flintshire
CH7 4HB

tel: (customer enquiries) +44 (0)1782 764428
tel: (switchboard) +44 (0)1782 764444
fax: +44 (0)1782 412331
email: enquiries@ceram.com
web: www.ceram.com

FAO: Chris Jones

Report of Tests on: PFA

Your Reference: 23/10/13

Ceram Reference: (135849)-24705

Date Reported: 20-Nov-2013

Order Number: 46970416

Date Logged: 13-Nov-2013

Date(s) of Test(s): 19-Nov-2013 to 20-Nov-2013

XRF Analysis

Methods C201 based on BSEN ISO 12677:2011

Result(s)		Units	
Sample Basis			Dried 110 deg C
Silicon Dioxide	SiO ₂	%	52.18
Titanium Dioxide	TiO ₂	%	0.80
Aluminium Oxide	Al ₂ O ₃	%	19.63
Iron (III) Oxide	Fe ₂ O ₃	%	6.20
Calcium Oxide	CaO	%	3.71
Magnesium Oxide	MgO	%	1.61
Potassium Oxide	K ₂ O	%	1.86
Sodium Oxide	Na ₂ O	%	1.06
Phosphorus Pentoxide	P ₂ O ₅	%	0.48
Chromium (III) Oxide	Cr ₂ O ₃	%	0.01
Manganese (II,III) Oxide	Mn ₂ O ₄	%	0.05
Zirconium Oxide	ZrO ₂	%	0.04
Hafnium (IV) Oxide	HfO ₂	%	<0.01
Lead Oxide	PbO	%	<0.02
Zinc Oxide	ZnO	%	0.03
Barium Oxide	BaO	%	0.21
Strontium (II) Oxide	SrO	%	0.14
Tin (IV) Oxide	SnO ₂	%	<0.01
Copper Oxide	CuO	%	0.01
Loss on Ignition		%	11.77
Loss on Ignition Temperature		°C	1025
Total		%	99.79
Sulphur Trioxide	SO ₃	%	0.10
UKAS Accredited			Yes

The sulphur trioxide may not be a total sulphur figure but is the sulphur remaining after LOI and fusion. Results are quoted to 2 decimal places but are accurate to 3 significant figures or the number of figures given, whichever is the lesser.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

End of Test Report

Mrs Sharon Mansfield
Author

INORGANIC ANALYSIS REPORT

ceram

Queens Road, Penkhull, Stoke-on-Trent,
Staffordshire, ST4 7LQ, UK

tel: (customer enquiries) +44 (0)1782 764428

tel: (switchboard) +44 (0)1782 764444

fax: +44 (0)1782 412331

email: enquiries@ceram.com

web: www.ceram.com



0013

Hanson Cement
Padeswood Works
Padeswood
Mold
Flintshire
CH7 4HB

FAO: Chris Jones

Report of Tests on: Sand

Your Reference: 23/10/13

Ceram Reference: (135849)-24707

Date Reported: 20-Nov-2013

Order Number: 46970416

Date Logged: 13-Nov-2013

Date(s) of Test(s): 19-Nov-2013 to 20-Nov-2013

XRF Analysis

Methods C201 based on BSEN ISO 12677:2011

Result(s)		Units	
Sample Basis			Dried 110 deg C
Silicon Dioxide	SiO ₂	%	84.04
Titanium Dioxide	TiO ₂	%	0.23
Aluminium Oxide	Al ₂ O ₃	%	4.50
Iron (III) Oxide	Fe ₂ O ₃	%	2.50
Calcium Oxide	CaO	%	2.10
Magnesium Oxide	MgO	%	0.65
Potassium Oxide	K ₂ O	%	1.23
Sodium Oxide	Na ₂ O	%	0.39
Phosphorus Pentoxide	P ₂ O ₅	%	0.06
Chromium (III) Oxide	Cr ₂ O ₃	%	<0.01
Manganese (II,III) Oxide	Mn ₃ O ₄	%	0.05
Zirconium Oxide	ZrO ₂	%	0.02
Hafnium (IV) Oxide	HfO ₂	%	<0.01
Lead Oxide	PbO	%	<0.02
Zinc Oxide	ZnO	%	<0.01
Barium Oxide	BaO	%	0.03
Strontium (II) Oxide	SrO	%	<0.01
Tin (IV) Oxide	SnO ₂	%	<0.01
Copper Oxide	CuO	%	<0.01
Loss on Ignition		%	3.62
Loss on Ignition Temperature		°C	1025
Total		%	99.42
Sulphur Trioxide	SO ₃	%	<0.05
UKAS Accredited			Yes

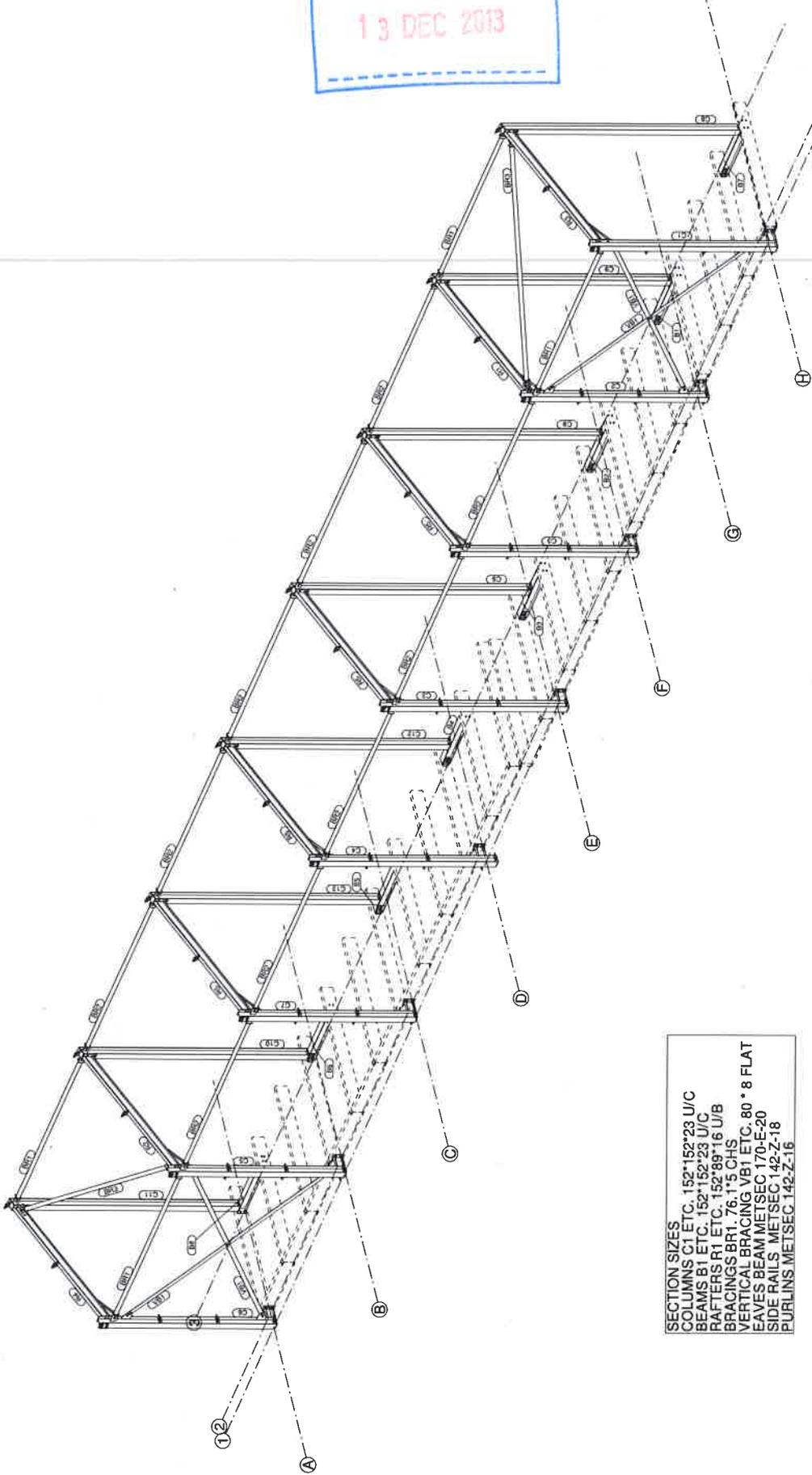
The sulphur trioxide may not be a total sulphur figure but is the sulphur remaining after LOI and fusion. Results are quoted to 2 decimal places but are accurate to 3 significant figures or the number of figures given, whichever is the lesser.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

End of Test Report

Mrs Sharon Mansfield
Author

RECEIVED
13 DEC 2013



SECTION SIZES
 COLUMNS C1 ETC. 152*152*23 U/C
 BEAMS B1 ETC. 152*152*23 U/C
 RAFTERS R1 ETC. 152*89*16 U/B
 BRACINGS BR1. 76.1*5 CHS
 VERTICAL BRACING VB1 ETC. 80 * 8 FLAT
 LEAVES BEAM METSEC 170-E-20
 SIDE RAILS METSEC 142-Z-18
 PURLINS METSEC 142-Z-16

3d

REV. MARK	REVISION DESCRIPTION	REVISION DATE
Kendley Ltd STEEL FABRICATOR 200 BURNLEY ROAD BURNLEY, EASTON ROAD TELFER, HAYWARD PHISHOP, CH8 9RD Telephone: (01753) 887412 Fax: (01753) 887420 Email: sales@kendley.co.uk www.kendley.co.uk		
DRAWING TITLE	3D	CASTLE CEMENT WALKWAY
CONTRACT	FJF	ISSUE DATE
MODELLED BY	3647	SCALE
CONTRACT NO	G [J]	1:40
DRAWING NO	G [J]	REVISION NO.

