

BROOMFIELD CONSTRUCTION

Est. 1973



Fire Report

Boyneview Nursing Unit – Site Canteen Fire

15/02/2022



Table of Contents

SUMMARY	3
COMPLETED ACTIONS	5
FINDINGS	6
RECOMMENDATIONS	7
APPENDIX 1 – BROOMFIELD CONSTRUCTION – DAMAGED SITE CANTEEN	8
APPENDIX 2 – EXTERNAL ELECTRICAL SUB-CONTRACTOR REPORT – BROOMFIELD CONSTRUCTION SITE WELFARE COMPOUND AREA	8
APPENDIX 3 – ST. MARY’S HOSPITAL UNIT FOR THE ELDERLY – PHOTOGRAPHS INTERNAL & EXTERNAL	8
APPENDIX 4 – BROOMFIELD CONSTRUCTION -WITNESS STATEMENTS.....	8
APPENDIX 5 – ST. MARY’S HOSPITAL STAFF – WITNESS STATEMENTS	8
APPENDIX 6 – EXTERNAL ELECTRICAL SUB-CONTRACTOR REPORT – ST. MARY’S HOSPITAL UNIT FOR THE ELDERLY	8
APPENDIX 7 – FIRE INVESTIGATION REPORT	8





SUMMARY

Investigation Report following a fire which broke out in the early hours of Tuesday morning 15th February 2022 in the site canteen area.

At approx. 5.30am night duty staff in St Mary's Hospital Unit for the Elderly Building adjacent to the Site in question noted flames coming from the Broomfield Construction Site Compound Area in which containers are placed. Fire Emergency Services was contacted immediately, were on site within minutes and brought the Fire under control. Hospital Staff contacted Broomfield Construction at 6.30am. No patients or staff were injured.

Upon inspection of the entire fire location and surrounding area by Broomfield Construction Site Management Team, it was noted the only damage was to the container structure itself. No other damage was caused to adjacent containers or to St Mary's Hospital Unit for the Elderly building adjacent.

Appendix 1

No CCTV Footage was available.

The power supply to the welfare compound had been fully disconnected by an external Electrical Sub-Contractor until the damaged container was removed.

A report from an External Electrical Sub-Contractor has been completed for the electrical supply to the Welfare compound Area, no concerns were noted to the main electrical supply to this area.

Appendix 2

Olivia Morgan EHS Manager, Site Manager Peadar McCluskey and HSE Estates Tom Connors carried out a full visual inspection in St Mary's Hospital Unit for the Elderly Building of the rooms directly adjacent to the fire location. No evidence of damage was noted, and no patients or staff were injured.

All windows and seals were noted in good condition and no evidence of fire or smoke damage was caused. Fire door mechanism was noted also in good working order with no smoke or fire damage present. Attached are several photographs taken from within the rooms and from the exterior of St Mary's Hospital Unit for the Elderly Building. **Appendix 3**

Witness Statements have been taken from Broomfield Construction Sub-Contractor Employees using the facility. **Appendix 4**

St Mary's Hospital Employee's Statements were taken regarding their accounts of the events.

Appendix 5





The External Electrical Sub-Contractor has also been in to inspect St Mary's Hospital Unit for the Elderly Building as a precautionary measure only.

Appendix 6

Fire Investigation Report from the local Fire Department has been completed.

Appendix 7





COMPLETED ACTIONS

The following actions have been undertaken by Broomfield Construction Site Management Team as part of the Investigation Process, namely,

- The power supply to the welfare compound had been fully disconnected until the damaged container was removed.
- New electrical cables have been installed throughout the Welfare Compound Area.
- Pedestrian access to the fire location area has been suspended until damaged container has been removed and area is fully cleared of all debris.
- Internal Toolbox Talk carried out and completed with all employees on site regarding Fire Safety.
- As a Precautionary Measure - Inspection of all electrical supply to other containers within the Welfare Compound.
- External Electrical Sub-Contractor instructed by Broomfield Construction to complete a full inspection of the rooms adjacent to the fire location site.
- Although not directly related to the fire events, the relocating of the bin store commenced yesterday by way of getting the ground ready for installation. The steel frames had been dismantled and will be re-installed in its new location by the end of the week.
- Re-issues of Site Management Team phone contact details. Signature sheet will be in operation, receiver of the contact details will need to sign for confirming being received.
- Damaged container flooring and fire debris has been removed prior to removal off site.
- Damaged container has been thoroughly risk assessed as to its stability for removal off site.
- New site container will be installed next week, and electrical power supply re-connected.





FINDINGS

Following a full and through Investigation undertaken by Broomfield Construction, it is unclear as to how the fire started or its origin.

Broomfield Construction Employee and Sub-Contractor Employee Witness Statements suggest that all electrical appliances within the container were in good working order and were not a cause for concern.

Fire Investigation Report from the local Fire Department has not been received to date despite numerous calls requesting.

The damaged container's structure contained the fire satisfactorily preventing it from spreading to neighbouring containers or to St Mary's Hospital Unit for the Elderly Building.





RECOMMENDATIONS

Broomfield Construction propose the following recommendations

- As an extra Precautionary Measure at end of shift, the Site Manager will switch off Electrical Supply to the entire Site by turning off the trip switch. If Site Manager is not available to perform this task, then he will appoint another member of the Broomfield Construction Staff to complete before leaving the site.
- As an extra Precautionary Measure, PAT will be carried out on all electrical appliances used on Site.
- Regular daily checks will be carried out on all containers with electrical supply, concerns will be raised with the Site Manager. Immediately action will be taken at this point
- Issue of the Site Pedestrian Gate Code to a member of St Mary's Hospital Unit for the Elderly Staff, this will get access to the Welfare Compound Area only. Signature sheet will be in operation, receiver of the gate code will need to sign for confirming being received.





**APPENDIX 1 – BROOMFIELD CONSTRUCTION –
DAMAGED SITE CANTEEN**

**APPENDIX 2 – EXTERNAL ELECTRICAL SUB-
CONTRACTOR REPORT – BROOMFIELD CONSTRUCTION
SITE WELFARE COMPOUND AREA**

**APPENDIX 3 – ST. MARY’S HOSPITAL UNIT FOR
THE ELDERLY – PHOTOGRAPHS INTERNAL &
EXTERNAL**

**APPENDIX 4 – BROOMFIELD CONSTRUCTION -
WITNESS STATEMENTS**

**APPENDIX 5 – ST. MARY’S HOSPITAL STAFF –
WITNESS STATEMENTS**

**APPENDIX 6 – EXTERNAL ELECTRICAL SUB-
CONTRACTOR REPORT – ST. MARY’S HOSPITAL UNIT
FOR THE ELDERLY**

APPENDIX 7 – FIRE INVESTIGATION REPORT





APPENDIX 1





DAMAGED SITE CANTEEN





APPENDIX 2





Date: 16.02.2022

Olivia,

Please find attached Test Record Sheet for Electrical Installation on Temporary Works for St Mary's Hospital in Drogheda.

At the moment we have two supplies one for the Crane and one for Containers.

Yesterday morning when we arrived onsite, we inspected the canteen, our Mains Distribution Board and Main incomer to the container were in perfect working order with no damage at all. On inspection of the container internally there appears to have been an electrical appliance fault.

Best regards.

Christopher Mulligan

CME Electrical Engineering Ltd
~~Magheramey,~~
~~Smithboro,~~
Co Monaghan.

047 57500
087 2809502



TEST RECORD SHEET

Test Record Sheet No T **651207**

Seal No



Sheet ... of ...

CUSTOMER NAME: **Broomfield Construction**

INSTALLATION ADDRESS: **ST MARYS HOSPITAL DROGHEDA**

DISTRIBUTION BOARD REF: **EXT SITE Temporary**

CATEGORY: (Domestic, Commercial, Industrial etc.)

TYPE OF INSTALLATION: New ☒ Rewire ☐ Existing ☐ Addition ☐ Temp Supply ☐ Other (Specify) _____

Comments:

MAIN BONDING VERIFIED FOR: GAS - YES ☐ N/A ☒
WATER - YES ☒ N/A ☐
SUPPLEMENTARY BONDING VERIFIED - YES ☐ N/A ☒
ELECTRODE EARTHING CONDUCTOR - YES ☐ N/A ☒
OTHER - YES ☐ DETAILS

MAX Rp+Re (if applicable) **0.90** OHMS MAX RES.PROT.COND (Re) **0.45** OHMS

TEST INSTRUMENTS USED	Serial No	Calibration Expiry Date
Insulation Resistance/Continuity		
Earth Loop Impedance	MEGGER	3/22
RCD		
Multifunction		

CIRCUIT DETAILS

Circuit Number	Circuit Designation	Cable		No. of Points	Overcurrent Protection		
		Type	Sq mm		Device †	Type ††	Amps
x	Supply Cable	SNA	16	1	B	MCB	63
1	Canteen 1 Hut	SNA	6	1	MCB	B	32
2	Canteen 2 Hut	SNA	6	1	MCB	B	32
3	Toilet	SNA	6	1	MCB	B	32
4	SPARE	"	10	1	MCB	B	6
5	D.B Offices	SNA	6	1	MCB	B	32
6	SPARE		6	0	MCB	B	32
7	Toilet Concourse	ARTIC	6	1	RCBO	B	20

PRE CONNECTION				MIN. INSULATION RES (MEG OHMS)	Phase to Neutral (MCL)	3 Phase to Earth (MCL)	Phase to Phase (MCL)	Erroneous Test Carried out (✓)	Polarity Correct (✓)
Max Circuit Continuity (Ohms)	All Circuits (At least one column to be completed)	Ring Circuit End to End	Phase to Neutral (MCL)						
Rp+Re	Re**	L-L	N-N	E-E					
0.30	N/A	N/A	N/A						
0.35									
0.32									
0.40									
—									
0.90									
—									
0.43									

POST CONNECTION

Max RCD Operating times (ms)	1/2 x (ms)	1 x (ms)	5 x (ms)
0.62			
0.66			
0.66			
0.72			
—			
1.10			
—			
0.78	30	28	✓

* - MCB / RCBO / Fuse etc.
** - Type B-C-D etc.
* Resistance of phase conductor (Rp)
** Resistance of earth conductor (Re)

Other Comments

Pre Connection Tested By: **Eddie Beggan**

SIGNATURE **Eddie Beggan**

QC No. Reg No. **A2757**

DATE **8/5/21**

Post Connection Tested By: _____

SIGNATURE _____

QC No. Reg No. _____

DATE _____

Original To Customer-White Return to Electrical Safety Supervisory Body-Yellow Contractors record-Pink



APPENDIX 3



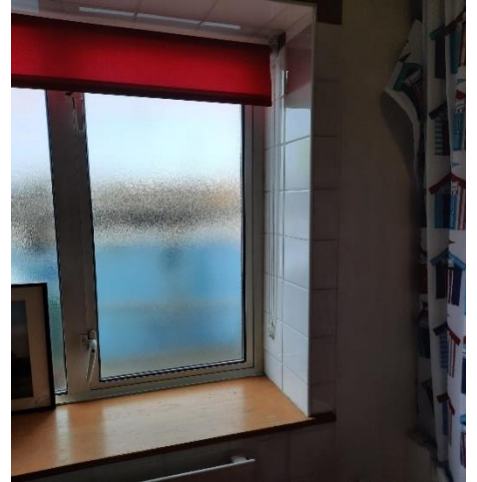


INTERNAL

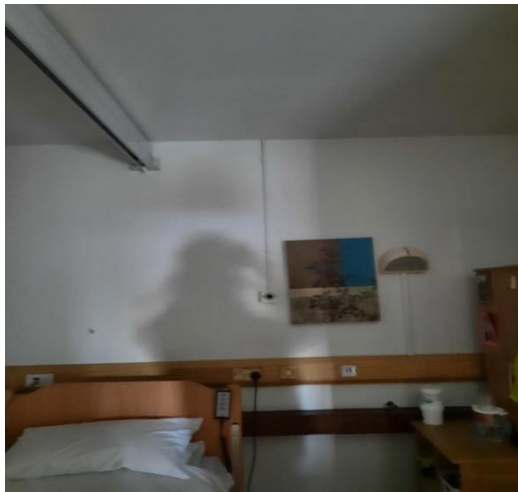


FIRE DOOR





ASSISTED BATHROOM TO BEDROOM 12



BEDROOM 12





BEDROOM 16



ROOM 27





EXTERNAL





APPENDIX 4





Statement of Witness		BROOMFIELD CONSTRUCTION Est. 1973	
REV: 0	DATE: Jan 2021	Pg: 1 of 2	

Statement of Witness

Name: Paul Hylands

Employer: Gary Hanna

Phone Number: 07745554972

Occupation: Bricklayer

Date: 15-2-22

Describe exactly what you saw:

I had no concern about any electrical
appliances in the site concern as we
used it everyday. Everything was in perfect
working order.

ISO 9001
ISO 14001
ISO 45001
SAFECERT
ICE Irish Construction
Excellence Awards 2020
Winner

Statement of Witness		BROOMFIELD CONSTRUCTION Est. 1973	
REV: 0	DATE: Jan 2021	Pg: 2 of 2	

Description continued:

Signed: Paul Hylands Date: 15-2-22

Name of Person Obtaining Statement: Olivia Morgan

Signed: Olivia Morgan Date: 15/2/2022

ISO 9001
ISO 14001
ISO 45001
SAFECERT
ICE Irish Construction
Excellence Awards 2020
Winner



Statement of Witness		BROOMFIELD CONSTRUCTION <small>Est. 1973</small>	
REV: 0	DATE: Jan 2021	Pg: 1 of 2	

Statement of Witness

Name: Cathal Peavey

Employer: Gary Hanna






Phone Number: 0723

Occupation: Bricklayer

Date: 15/2/22

Describe exactly what you saw: when viewing the Contain
At 4.30 on Monday the 14th Feb I
had no concerns for any of the
Contain Appliances. All in the Contain
was in good working order and
Did not make me feel like anything
was wrong.

7






Statement of Witness		BROOMFIELD CONSTRUCTION <small>Est. 1973</small>	
REV: 0	DATE: Jan 2021	Pg: 2 of 2	

Description continued:

Signed: Cathal Peavey Date: 15/2/22

Name of Person Obtaining Statement: Olivia Morris

Signed: Olivia Morris Date: 15/2/2022



Statement of Witness		BROOMFIELD CONSTRUCTION <small>Est. 1973</small>	
	REV: 0	DATE: Jan 2021	Pg: 1 of 2

Statement of Witness

Name: KIERAN DUNNE

Employer: RGS

Phone Number: 085-739-1538

Occupation: STEEL-FIXER

Date: 15-2-22

Describe exactly what you saw:

I USED THE CAUTION
EVERYDAY AND HAD NO
CONCERN ABOUT ANY
OF THE APPLIANCES.

ISO 9001
ISO 14001
ISO 45001
SAFECERT
ICE Irish Construction Excellence Awards 2020 Winner

Statement of Witness		BROOMFIELD CONSTRUCTION <small>Est. 1973</small>	
	REV: 0	DATE: Jan 2021	Pg: 2 of 2

Description continued:

Signed: Kieran Dunne Date: 15-2-22

Name of Person Obtaining Statement: Olivia Morgan

Signed: Olivia Morgan Date: 15/2/2022

ISO 9001
ISO 14001
ISO 45001
SAFECERT
ICE Irish Construction Excellence Awards 2020 Winner



Statement of Witness		BROOMFIELD CONSTRUCTION Est. 1973	
REV: 0	DATE: Jan 2021	Pg: 1 of 2	

Statement of Witness

Name: DANU PALADE

Employer: MCR

Phone Number: 0892400561

Occupation: LABOUR

Date: 15/2/2022

Describe exactly what you saw: Container was in good
order when i last used it on the Monday
evening at 4:30 - it did not alert me
to be concerned in anyway.

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED
ISO 45001 CERTIFIED
SAFE|CERT
ICE Irish Construction
Excellence Awards 2020
Winner

Statement of Witness		BROOMFIELD CONSTRUCTION Est. 1973	
REV: 0	DATE: Jan 2021	Pg: 2 of 2	

Description continued:

Signed: [Signature] Date: 15/02/2022

Name of Person Obtaining Statement: Olivia Morgan

Signed: [Signature] Date: 15/2/2022

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED
ISO 45001 CERTIFIED
SAFE|CERT
ICE Irish Construction
Excellence Awards 2020
Winner



APPENDIX 5





Statements from Jolly Varghese and Seamus McCaul in relation to Fire Incident St Mary's Site on 15.02.2022.

At 05.15 staff from Meadowview noted smoke coming from one of the containers on site in the building site.

Staff on duty at time:

Nitha Chandy Staff Nurse

Heidi Ensalada Health Care Assistant

Vanaja Raman Staff Nurse

Martina Campbell Health care Assistant.

Staff described that smoke was seen coming from side of container but suddenly combusted with flames evident rising to one metre in height.

Staff immediately put into action the Fire Emergency Plan.

Fire Brigade contacted by Vanaja Raman who took lead as Fire Marshall. Stayed on telephone with Fire Brigade and followed instructions given.

Staff from Boyne View House were contacted. Janson Thomas Staff Nurse and Lilijana Radomirovic onsite within one minute.

A decision was made by nursing fire Marshall to evacuate two multi-occupied rooms using phased horizontal evacuation. While there was a smell of smoke, there was no alarm activation within the centre.

Residents were evacuated within two minutes and half of residents were evacuated by time the Fire Services arrived.

Staff contacted Jolly Varghese Assistant Director of Nursing at 05.20 a.m. and Jolly arrived onsite at 05.30 a.m. Seamus McCaul contacted at 05.39 am.

Fire brought under control and fire crew had left site by 07.00 a.m.

Two members of An Garda Siochana onsite at 05.30 am.

Broomfield contractors on site by 07.20 am.

General Manager's Office contacted at 06.45 am along with Maura Ward Manager of Services for Older People. All HSE Senior Management remained in contact throughout the day and visited onsite.

Staff from St. Mary's used the Personal Evacuation and Egress Plans for each resident and this was well managed.

Post Incident

Bedrooms and Bathrooms checked by staff and from HSE Estates Department.

Safety Officer on site from Broomfield.

Masterfire contacted to check all sensors, fire exit doors and alarms.

John McCrea onsite from 08.30 am and remained on site until 11.00 am.

Residents tired but no resident experienced any physical harm. Tired after being disturbed.

On speaking with staff most staff were tired and relieved that all went so well for them. However staff also spoke of their anxiety and fear while it was happening, but felt in control because of their training in fire safety and evacuation techniques.

All relatives contacted on 15.02.2022

All relatives spoken to and informed of incident.

Staff supports to be offered tonight on the resumption of staff coming on duty.

Key Learning:

Access to site by Fire Personnel needs a report as gates to site were locked. We are awaiting report from Fire Brigade to ascertain how access was gained.

Clinical Waste and domestic waste area to be urgently moved from this area.

*With in as true & accurate
account as possible*

Mabel Mabel P.I.C

JOLLY VARGHESE NADON

J Varghese

NIMS

LMS

NIMS
National Incident Management System
Follow Up Sheet

Local Reference Number: _____

Follow Up – This section must be completed in full by Ward, Unit, Clinical or Department Manager or Consultant

Actions taken or planned to prevent / mitigate recurrence:

Contacted Fire brigade.
Fire evacuation started, Room 12 evacuated
full residents; Room 16: Frank Tuite, Room no 9, Richard
Campbell; Contacted BVH for help
Contacted Person in Charge
Security contacted to inform about fire.
Residents are evacuated to entrance door, made sure all
residents safe in unit, especially who has breathing difficulty.

Signature(s) of Department/Unit/Consultant: _____

Title: _____

Date: _____

Signature(s) of Department/Unit/Consultant: _____

Title: Person in Charge

Date: 15 02 2022

For Risk Management Office Only

Inputted on System:

Signed: _____

Title: _____

Date: _____

Inspected by Estates Team & Muster Fire
No damage to Building of the Residential
Centre.
Damaged Unit Removed from site 16 02 2022.



APPENDIX 6





Date: 16.02.2022

Olivia,

Yesterday morning when we arrived onsite, acting on instructions given by Broomfield Construction and accompanied by Seamus McCaul Building Director, we inspected St Mary's Hospital Unit for the Elderly Building fire door mechanism, it was in perfect working order with no damage at all.

|

Best regards.

Christopher Mulligan

CME Electrical Engineering Ltd

~~Magheramney,~~
~~Smithboro,~~
Co Monaghan.

047 57500
087 2809502





APPENDIX 7

