

Jacob Gemma

From: Patel Rupesh
Sent: 19 July 2022 07:36
To: +Power Electrical Incidents; +Systems & Infrastructure Maintenance & Renewals- Leadership
Subject: Tuesday 19/07/2022 - P&E Cables - 2 Noteworthy Incidents and 1 Noteworthy Update to Report

Good Morning,

No significant incidents and no accidents to report from P&E Cables.

2 x Noteworthy Incidents to report:

Date	Time	Site	Incident Details	Initial Delay	LCH	SAF	Comments
18/07/2022	12:36	Queensbury	INF No: LUCC-INF-SSE-22-038 – F538, F754, Rectifiers 1 & 2 tripped. F538 had been on stress only at Queensbury.	Nil	Nil	N/A	<ul style="list-style-type: none">• DC being fed from both remote ends, no impact on service.• No EH access on Saturday Night due to Night Tube.• F538 tripped on Differential Protection and F754 on Instantaneous Overcurrent.• F754 switched back on at 14:32 allowing Rectifiers 1 & 2 to be restored.• Awaiting Bus Zone short at Queensbury.• Queensbury on Single CCT Risk.• P&E Cables to further investigate F538.
18/07/2022	14:23	Heathway	INF No: LUCC-INF-SSE-22-039 – HV Section 1 tripped Off. Coupling Transformer No.1 secondary tripped, Aux Transformer No.1 tripped, causing loss of LV Busbar, tripping FC No.2 leading to Signal Cessation between Upney & Hornchurch.	140	26,234	TBC	<ul style="list-style-type: none">• F677 (Upminster) tripped at Heathway end only.• F673 (Upney) tripped at Heathway end only.• F669 tripped both ends.• Initial site reports Joint J6 on F669 east of Upney has failed.• Initial tripping and flashover of F669 caused fire on LU/Private Property Boundary in vicinity of 38 Basedale Road, Dagenham, RM9.• Fire extinguished by LFB.• Hot weather/high temperature suspected to have expanded F669, leading to joint failure.• Hot weather/high temperature, together

						<p>with dry vegetation led to Property Boundary fire.</p> <ul style="list-style-type: none"> • F669 I & E. • Joint 6 cut out for engineering analysis (known issues with these types of poly to poly cast resin joints). • Joint 6 installed April 2000. • Closure required to repair F669. • Collateral damage caused to the following additional feeders/pilots (these remain in service): <ul style="list-style-type: none"> ○ F670 (requires closure) ○ F673 (requires zip up sleeve) ○ F674 (requires zip up sleeve) ○ P674 (requires zip up sleeve) • All faults expected to be repaired by 25/07/2022.
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1 Noteworthy Update to report:

- **Discontinuity Traction Section Finchley Central to Woodside Park NB – 400m from West Finchley towards Finchley Central NB, Negative Conductor Rail Fishplate and associated Track Bond damaged (due to heat related excessive rail movement). P&E Cables installed 935mm2 across Negative Conductor Rail. Continuity restored. P-way to replace Fishplate.**

Many thanks.

Kind regards,

Rupesh Patel
Power & Electrical – Cables Manager

T.: [REDACTED]
M.: [REDACTED]
E.: [REDACTED]@tfl.gov.uk

London Underground, Asset Performance & Capital Delivery, Floor/Desk: G/003, London Underground Engineering & Skills Academy, Burford Road, Stratford, London, E15 2SB

Jacob Gemma

From: Patel Rupesh
Sent: 22 July 2022 07:26
To: +Power Electrical Incidents; +Systems & Infrastructure Maintenance & Renewals- Leadership
Subject: Friday 22/07/2022 - P&E Cables - 1 Noteworthy Incident and 1 Noteworthy Update to Report

Good Morning,

No significant incidents and no accidents to report from P&E Cables.

1 x Noteworthy Incident to report:

Date	Time	Site	Incident Details	Initial Delay	LCH	SAF	Comments
22/07/2022	04:30	SMD to Canning Town WB	INF No: LUCC-INF-SSE-22-041/ACC Ref: 55761561 – Break in Traction Section continuity SMD to Canning Town WB.	TBC	TBC	TBC	<ul style="list-style-type: none">• SSE checks confirm break in continuity/suspected cable theft.• Initial TH inspection revealed nothing obvious.• Further TH inspections cannot take place without impacting passenger service.• No traction issues experienced by passing trains.• Operational decision taken to further inspect in EH.• Next Track Access availability in EH Sunday Night (due to Night Tube in operation).• Next update 25/07/2022.

1 Noteworthy Update to report:

- 11kV Feeder F669 (Heathway to Plaistow). RTS in EH 21/07/2022.

Many thanks.

Kind regards,

Rupesh Patel
Power & Electrical – Cables Manager

T.: [REDACTED]
M.: [REDACTED]
E.: [REDACTED]@tfl.gov.uk

London Underground, Asset Performance & Capital Delivery, Floor/Desk: G/003, London Underground Engineering & Skills Academy, Burford Road, Stratford, London, E15 2SB

Jacob Gemma

From: Palmer Micheal J
Sent: 20 July 2022 11:15
To: Baker Joel; Patel Rupesh; Lamirand Christian; Schulak Stefan; +P&E_Cables_HV_Engineering; Coleman Paul
Cc: Vandenberg Sarel; Jamie Parrish; 'Joshua Glennie'
Subject: RE: F669 - ***URGENT*** Vegetation Requiring Clearing Please
Attachments: FW: Becontree

Gents

Please see attached email with photos of area of cable damage Becontree to Upney where the guys have started to clear the vegetation today.

They have accessed site via the access gate on Lodge Avenue bridge D184 and will work back toward Becontree station. (D026/DEB/0760 – 1600 approx.)

I have instructed them to ensure the vegetation both sides of the access gate is clear to ensure the Power and Electrical team have good access to embankment.

All burnt debris on the embankment will be removed from site for disposal.

Regards

Michael

Michael Palmer

Vegetation Contract Manager East zone, Track Delivery and Services A/O Track
London Underground 4LM site office, Upminster Depot, Front Lane, Upminster, Essex, RM14 1XL
Tel: [REDACTED] | Mobile [REDACTED] | E-mail: [REDACTED]@tube.tfl.gov.uk

From: Palmer Micheal J
Sent: 20 July 2022 06:55
To: Baker Joel <[REDACTED]@tfl.gov.uk>; Patel Rupesh <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>; Schulak Stefan <[REDACTED]@tfl.gov.uk>; +P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>; Coleman Paul <[REDACTED]@tube.tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>; [REDACTED] <[REDACTED]@cleshar.co.uk>; [REDACTED] <[REDACTED]@cleshar.co.uk>
Subject: RE: F669 - ***URGENT*** Vegetation Requiring Clearing Please

Rupesh

We will have team starting the cable clearance this morning, this will require TH and EH works.

We plan to start at Upney and work towards Becontree, is there a particular area you want done first?

If not station to station will be cleared by the end of the week.

Regards

Michael

Michael Palmer

Vegetation Contract Manager East zone, Track Delivery and Services A/O Track
London Underground 4LM site office, Upminster Depot, Front Lane, Upminster, Essex, RM14 1XL
Tel: [REDACTED] | Mobile [REDACTED] | E-mail: [REDACTED]@tube.tfl.gov.uk

From: Baker Joel <[REDACTED]@tfl.gov.uk>
Sent: 19 July 2022 15:55
To: Patel Rupesh <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>; Schulak Stefan <[REDACTED]@tfl.gov.uk>; +P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>; Palmer Micheal J <[REDACTED]@tube.tfl.gov.uk>;

Coleman Paul <[REDACTED]@tube.tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: Re: F669 - ***URGENT*** Vegetation Requiring Clearing Please

Michael

Please see below. Can you please carry out the requested clearance works ASAP.

Many thanks

Joel

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From: Patel Rupesh <[REDACTED]@tfl.gov.uk>
Sent: Tuesday, July 19, 2022 12:45:36 PM
To: Lamirand Christian <[REDACTED]@tfl.gov.uk>; Schulak Stefan <[REDACTED]@tfl.gov.uk>; +P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>; Baker Joel <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: RE: F669 - ***URGENT*** Vegetation Requiring Clearing Please

Hello Joel,

Hope that you're well?

Please can we get veg clearance asap between Upney & Becontree (Eastbound side Cess/Cable Run)? Please also be aware that we have delicate Fibre Optic Cables in the area that will need extra vigilance when clearing veg.

Cheers,

Roops

Rupesh Patel
Power & Electrical – Cables Manager

T.: [REDACTED]
M.: [REDACTED]
E.: [REDACTED]@tfl.gov.uk

London Underground, Asset Performance & Capital Delivery, Floor/Desk: G/003, London Underground Engineering & Skills Academy, Burford Road, Stratford, London, E15 2SB

From: Lamirand Christian <[REDACTED]@tfl.gov.uk>
Sent: 19 July 2022 12:00
To: Schulak Stefan <[REDACTED]@tfl.gov.uk>; +P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: Re: F669

Morning,

Thanks for the push with testers. @Patel Rupesh do you know who I need to contact to get the vegetation cleared in that area? Sarel mentioned to me that it was overgrown which obviously helped with the spread of the fire seeing as it's so dry.

Is it just a case of raising with the FRC?

Thanks,

Christian Lamirand
High Voltage Cables
Power & Electrical

London Underground

Unit 7 Bush Industrial Estate, Station Road, Tufnell Park, London, N19 5UN

Mob: [REDACTED]
Tel: [REDACTED]
Auto: [REDACTED]

From: Schulak Stefan <[REDACTED]@tfl.gov.uk>
Sent: Tuesday, July 19, 2022 10:29:41 AM
To: Patel Rupesh <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>;
+P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: Re: F669

Cheers Rupesh.

From: Patel Rupesh <[REDACTED]@tfl.gov.uk>
Sent: Tuesday, July 19, 2022 10:10:45 AM
To: Schulak Stefan <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>;
+P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: RE: F669

Hello Stef,

Gary will support with Testers for Wed & Thu (unless other major stuff comes up in between).

Power Control will make a call on whether they switch out F670 in the interim.

Cheers,

Roops

Rupesh Patel
Power & Electrical – Cables Manager

T.: [REDACTED]
M.: [REDACTED]
E.: [REDACTED]@tfl.gov.uk

London Underground, Asset Performance & Capital Delivery, Floor/Desk: G/003, London Underground
Engineering & Skills Academy, Burford Road, Stratford, London, E15 2SB

From: Schulak Stefan <[REDACTED]@tfl.gov.uk>
Sent: 19 July 2022 08:04
To: Patel Rupesh <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>;
+P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: Re: F669

If we have enough capacity, then it wouldn't be a bad idea. Thanks.

From: Patel Rupesh <[REDACTED]@tfl.gov.uk>
Sent: Tuesday, July 19, 2022 7:52 am
To: Schulak Stefan <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>;
+P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: RE: F669

Will do Stefan. Also, what do you think about F670 (should it be switched out as a precaution, whilst the closure goes in)?

Rupesh Patel
Power & Electrical – Cables Manager

T.: [REDACTED]
M.: [REDACTED]
E.: [REDACTED]@tfl.gov.uk

London Underground, Asset Performance & Capital Delivery, Floor/Desk: G/003, London Underground Engineering & Skills Academy, Burford Road, Stratford, London, E15 2SB

From: Schulak Stefan <[REDACTED]@tfl.gov.uk>
Sent: 19 July 2022 07:43
To: Patel Rupesh <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>;
+P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: Re: F669

Dependant on Tester availability. Should be good for restoration Thursday night 21/07. If you don't mind mentioning on the call 2 x weds night for IR test and obtaining phases and 2 x Thurs for check phase, pressure test and restore. Usually if Gary hears on there he pressures the SPE's.

Thanks,
Stefan

From: Patel Rupesh <[REDACTED]@tfl.gov.uk>
Sent: Tuesday, July 19, 2022 7:28:15 AM
To: Schulak Stefan <[REDACTED]@tfl.gov.uk>; Lamirand Christian <[REDACTED]@tfl.gov.uk>;
+P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Daly John <[REDACTED]@tfl.gov.uk>; Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: RE: F669

Thanks Gents. When can we expect repair/RTS please?

Rupesh Patel
Power & Electrical – Cables Manager

T.: [REDACTED]
M.: [REDACTED]
E.: [REDACTED]@tfl.gov.uk

London Underground, Asset Performance & Capital Delivery, Floor/Desk: G/003, London Underground Engineering & Skills Academy, Burford Road, Stratford, London, E15 2SB

From: Schulak Stefan <[REDACTED]@tfl.gov.uk>
Sent: 19 July 2022 05:51
To: Lamirand Christian <[REDACTED]@tfl.gov.uk>; +P&E_Cables_HV_Engineering
[REDACTED]@tfl.gov.uk>
Cc: Daly John <[REDACTED]@tfl.gov.uk>; Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: Re: F669

Thanks Christian. In agreement regarding F670, needs a permanent repair sooner rather than later. If not done so already, have a closure delivered to site along with the one for F669.

Many thanks,
Stefan

From: Lamirand Christian <[REDACTED]@tfl.gov.uk>
Sent: Tuesday, July 19, 2022 4:01 am
To: +P&E_Cables_HV_Engineering <[REDACTED]@tfl.gov.uk>
Cc: Daly John <[REDACTED]@tfl.gov.uk>; Vandenberg Sarel <[REDACTED]@tube.tfl.gov.uk>
Subject: F669

All,

Confirmed JT6 is a poly to poly cast resin joint, these have been prone to fail in the past of which we have replaced a lot of in tunnel sections throughout the system. Joint has been cut out and will be taken back to the depot for further investigation. Looking at attached drawing D3051 Joint 6 was installed 10/04/2000 so not that old.

The feeder above F669 is F670 which has had some damage caused by the fire, you can see in the pictures it has become slightly warped, this feeder didn't trip however I think it's something we need to consider replacing at some point with a closure. As a temporary measure we can apply a zip up sleeve to the affected area.

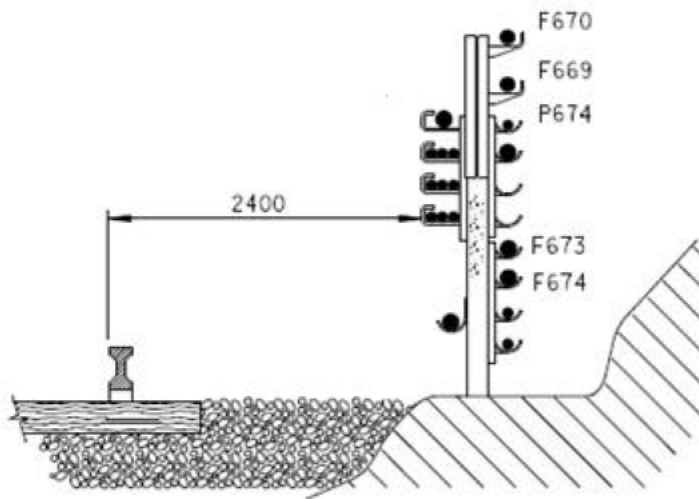
Feeders F673, F674 & P674 only need zip up sleeves installed as they have light scorching to them, confirmed with SSE tonight no comms were lost from P674.

Pictures attached of damage to F673, F674 & P674.

Below are the assets in the vicinity of the fire.

Let me know your thoughts about F670.

Regards,



SECTION A

Christian Lamirand
High Voltage Cables
Power & Electrical

London Underground
Unit 7 Bush Industrial Estate, Station Road, Tufnell Park, London, N19 5UN

Mob: [REDACTED]
Tel: [REDACTED]
Auto: [REDACTED]

From: Palmer Micheal J <[REDACTED]@tube.tfl.gov.uk>
Sent: 20 July 2022 11:06
To: Palmer Micheal J <[REDACTED]@tube.tfl.gov.uk>
Subject: FW: Becontree

Michael Palmer

Vegetation Contract Manager East zone, Track Delivery and Services A/O Track
London Underground 4LM site office, Upminster Depot, Front Lane, Upminster, Essex,
RM14 1XL

Tel: [REDACTED] | Mobile [REDACTED] | E-mail: [REDACTED][@tube.tfl.gov.uk](mailto:[REDACTED]@tube.tfl.gov.uk)













Sent from my iPhone