
From: Kelly, Patrick
Sent: 20 January 2017 12:52
To: Hamdani, Ali; Petty, Mark; Marson, Kevin
Subject: RE: EXT || Actions from 05/12/16 (+Grenfell Tower)

- Ali,
- 1 – tRIIO will be gassing up the disconnected Riser on Tuesday/
- 2 – SIV will be introduced in the Gassing up operation
- 3 – Scope to run new pipe to encompass the severe corrosion can be extended , you will need to E Mail Learie requesting this.

Regards

Patrick Kelly
MOBs Specialists
Construction & Procurement
National Grid Gas Distribution Ltd
Imperial Road , London, SW6 2AN
Office: [REDACTED]
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Mob : [REDACTED]
E Mail : Patrick.Kelly2@nationalgrid.com

From: Hamdani, Ali
Sent: 20 January 2017 12:47
To: Petty, Mark; Kelly, Patrick; Marson, Kevin
Subject: RE: EXT || Actions from 05/12/16 (+Grenfell Tower)

Gents,

I've listed down the action owners from our last HAZOP in table below and provided update on my actions. Please let me know if any of yours have now been actioned/progressed. Cheers.

Mark,

On Grenfell Tower, one of the risers is disconnected as per comments below. An action was put down to arrange LC33 here. Valves were missing as well (which may make pipes unrefurbishable if corrosion found on risers fed from un-valved supply pipes). Please advise whether we've LC33 surveyed this one yet?

Pat,

Please advise what the current situation of Grenfell is in respect to these comments and actions. Should we ask GDSP to install missing valves during current operations? And based on LC33 survey results, can we increase scope of works to include any Unrefurbishable risers at this stage?

Building Name	Post Code	Notes/Comments	Actions	Action Owner
[REDACTED]	[REDACTED]	Potential for a buyout	Follow up with tRIIO	Pat
		Leaking Riser has been repaired	tRIIO are undertaking a project on the supply pipe to the building. Post Completion Survey	Pat

			required after completion of in ground replacement.	
		Moderate corrosion identified	Mark Petty to arrange for an assessment of the severity of the corrosion	Mark
		These building require panel to be removed. In some cases, there are ACM suspected.	Pat Kelly to contact NG senior management for confirmation on how this work is to be arranged going forwards	Pat/Ali
		It is noted this building is due to be demolished in 2020	Re-survey to be undertaken using a borescope by February 2017	
		One riser has been cut off. All risers are external, however, the thermal expansion loops are in a poor state of repair.	Pat Kelly to investigate whether tRIIO will progress with a buyout	Pat
Grenfell Tower	W11 1TQ	R2 has been cut off. There is communal heating throughout the building. There is no PIV on S1 or S2. There internal isolation valves present.	Mark Petty to arrange for LC/33 survey if not already completed.	Mark
		Corrosion identified as supply pipe enter the basement	Replace supply pipe/horizontal riser in the basement and install a PIV by December 2017	Ali (sent for DA)
		The is one external riser and 4 internal risers, with some running through a car park	The 4 internal pipelines are to be replaced by December 2017 The elbow of the external riser where moderate corrosion has been identified will be painted by December 2017	Ali (send for DA)
		Pipelines boxed in (Suspected ACM)	Building to be re-surveyed by end of February 2017	Ali (issued to Ops)
		Risers believe to run in the fabric of the building	Network to be replaced by December 2017	Ali (sent to GDSP)
		Severe corrosion on elbow of a riser feed both Risers 3 & 4	Severe corrosion to be remediated by December 2017 The welded connection between riser 3 and 4 is to be re-painted by December 2017 Transition fittings on risers 1 and 2 are to be replaced by Dec 2017	Ali (send for DA)
		A feasibility study need to be undertaken	Site visit will be carried out by 9 th December to determine what the heating load is and whether gas will be used in the future. Liaison will be made the owners to obtain access to other flats. The location of PIVs will need to be confirmed Confirmation is required as to whether there is a Cast Iron/Spun iron supply pipe to the building	Mark/Pat
		Risers are installed are boxed in on external walls	Kevin Marson to update HRB Tracker and SharePoint file to show as an external pipeline Note - A policy for removal of covers is being discussed under the buildings above	Kev M
		Not discussed, below 210,000 threshold	No action	
		Meter bank installation, out of scope	No action	

Best Regards,

Ali Hamdani,
Strategy Engineer - MOBs
Network Strategy
UK Gas Distribution

Brick Kiln Street
Hinckley Operational Centre
[nationalgrid](#)

☎ Mob : [REDACTED]

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From: Hamdani, Ali
Sent: 09 January 2017 11:48
To: 'Cowling, Nick'; Marson, Kevin; Kelly, Patrick
Subject: RE: EXT || Actions from 05/12/16

Nick/Pat,

On Glenwood Court, we put the action down as resurvey by end of February 2017, however, I think we missed the surveyor comments on this. There's Asbestos/ACMs in there so a resurvey/boroscope wouldn't be fruitful. Should I put this back in for our upcoming HAZOP?

Risers 2,3,4,5,6 have not been observed as they are 100% boxed in with suspected ACM's. The Asbestos register does not specify whether this panelling is ACM. We will not proceed until further notice. Flat 33 on top storey is empty most of the time according to neighbours. The building owner will have to be notified of this so we can gain access.

Best Regards,

Ali Hamdani,
Strategy Engineer - MOBs
Network Strategy
UK Gas Distribution

Brick Kiln Street
Hinckley Operational Centre
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☎ Mob : [REDACTED]

 Please consider the environment before printing this email

From: Cowling, Nick [<mailto:Nick.Cowling@dnvgl.com>]
Sent: 09 December 2016 14:22
To: Hamdani, Ali; Marson, Kevin; Kelly, Patrick; Petty, Mark; Pettitt, Kevin
Cc: Findley, Raenaldo; Greene, Michael
Subject: EXT || Actions from 05/12/16

Hi Ali,

Please find the summary of the actions for the buildings discussed on Monday 5th December.

Ali/Kevin, I'll issue the files across to you next week.

Building Name	Post Code	Notes/Comments	Actions
		LC/33 Survey completed	No action
		Potential for a buyout	Follow up with tRIIO
		Leaking Riser has been repaired	tRIIO are undertaking a project on the supply pipe to the building
		Moderate corrosion identified	Mark Petty to arrange for an assessment of the severity of the corrosion
		These building require panel to be removed. In some cases, there are ACM suspected.	Pat Kelly to contact NG senior management for confirmation on how this work is to be arranged going forwards
		One riser has been cut off. All risers are external, however, the thermal expansion loops are in a poor state of repair.	Pat Kelly to investigate whether tRIIO will progress with a buyout
Grenfell Tower	W11 1TQ	R2 has been cut off. There is communal heating throughout the building. There is no PIV on S1 or S2. There internal isolation valves present.	Mark Petty to arrange for LC/33 survey if not already completed.
		Corrosion identified as supply pipe enter the basement	Replace supply pipe/horizontal riser in the basement and install a PIV by December 2017
		It is noted this building is due to be demolished in 2020	Re-survey to be undertaken using a borescope by February 2017
		The is one external riser and 4 internal risers, with some running through a car park	The 4 internal pipelines are to be replaced by December 2017 The elbow of the external riser where moderate corrosion has been identified will be painted by December 2017
		Pipelines boxed in (Suspected ACM)	Building to be re-surveyed by end of February 2017
		Risers believe to run in the fabric of the building	Network to be replaced by December 2017
		Severe corrosion on elbow of a riser feed both Risers 3 & 4	Severe corrosion to be remediated by December 2017 The welded connection between riser 3 and 4 is to be re-painted by December 2017 Transition fittings on risers 1 and 2 are to be replaced by Dec 2017
		A feasibility study need to be undertaken	Site visit will be carried out by 9 th December to determine what the heating load is and whether gas will be used in the future. Liaison will be made the owners to obtain access to other flats. The location of PIVs will need to be confirmed Confirmation is required as to whether there is a Cast Iron/Spun iron supply pipe to the building
		Risers are installed are boxed in on external walls	Ali Hamdani/Kevin Marson to update records to show as an external pipeline Note - A policy for removal of covers is being discussed under the buildings above
		Not discussed, below 210,000 threshold	No action
		Meter bank installation, out of scope	No action

Best regards
for GL Industrial Services UK Ltd.

Nick Cowling
Senior Engineer, Loughborough Risk Advisory Services
DNV GL - Oil and Gas

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DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

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