

Notifiable incident

Incident ID [5501](#)

Duty holder: Shell Australia Pty Ltd
Facility/Activity: Prelude FLNG
Facility type: Floating liquefied natural gas facility

Incident details	
Division	Occupational Health and Safety
Notification type	Incident
Incident date	20/07/2018 12:00 AM (WST)
Notification date	20/07/2018 04:25 PM (WST)
NOPSEMA response date	20/07/2018 04:55 PM (WST)
Received by	[REDACTED]
Nearest state	WA
Initial category type <i>(based on notification)</i>	Dangerous Occurrence
Initial category <i>(based on notification)</i>	Damage to safety-critical equipment
3 Day report received	23/07/2018
Final report received	23/07/2018
All required data received	23/07/2018
Final category type <i>(based on final report)</i>	Dangerous Occurrence
Final category <i>(based on final report)</i>	Damage to safety-critical equipment
Brief description	OHS - DSCE failure to close of fire dampener to accommodation
Location	Deck
Subtype/s	Facility integrity
Summary <i>(at notification)</i>	<p>OIM reports that Fire Damper did not close on demand. The dampener is for the accommodation facilities on Prelude. The failure was identified in the course of routine testing as part of a regular preventative maintenance routine.</p> <p>RT returned call at 16:50 and 17:02 but could not make contact.</p>
Details <i>(from final report)</i>	<p>The OIM reported that a fire damper did not close on demand. The damper is for the accommodation facilities on Prelude. The failure was identified in the course of routine testing as part of a regular preventative maintenance routine.</p> <p>RT returned call at 16:50 and 17:02 but could not make contact.</p> <p>A fire damper that provides ignition control (prevents gas ingress into HVAC) to A-Deck of Prelude living quarters was found to have failed its performance standard during its monthly preventative maintenance routine.</p> <p>It was found that the fire damper failed to close on demand (both manually and automatically), which results in incomplete ignition control. Note that the gas detection around the fire damper is available, and the HVAC will stop on confirmed gas detection, reducing the probability of ignition if gas was to enter the damper.</p> <p>A work order was raised to repair the damper, and the damper was repaired during the following nightshift.</p>
Immediate cause/s	The fire damper did not close on demand (both manually or automatically). The cause was loose linkages between actuator and damper blades allowed dust to accumulate, causing fire damper to stick in open position.

Root cause/s	ED - PREVENTIVE MAINTENANCE - PM NI - PM for equip NI
Root cause description	Loose linkages between actuator and damper blades allowed dust to accumulate, causing fire damper to stick in open position.

Duty inspector recommendation

Date	20/07/2018
Duty inspector	[REDACTED]
Recommendation	Do not conduct Major Investigation
Reasoning	Does not meet MI threshold based on information received
Supporting considerations	

Major investigation decision

Date	23/07/2018
Decision	Do not conduct Major Investigation
Reasoning	Does not meet MI threshold based on information received
Supporting considerations	

Non-major investigation review and recommendation

Date	25/07/2018
Inspector	[REDACTED]
Risk gap	Moderate
Type of standard	Established
Initial strategy	Investigate

Recommended follow up strategy

Recommended strategy	Investigate
Supporting considerations	Accommodation is the designated TR. All dampers must function on demand. Moderate risk gap - to be investigated.

Non-major investigation decision

Date	25/07/2018
RoN	[REDACTED]
RoN review result	Agree with recommendation
Strategy decision	Investigate
Supporting considerations	

Associated inspection

Inspection ID	1829
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