

Notifiable incident

Incident ID [5155](#)

Duty holder: INPEX Operations Australia Pty Ltd
Facility/Activity: CPF Ichthys Explorer
Facility type: Other platform with accommodation facilities when drilling/workover facilities are not in commission

Incident details	
Division	Occupational Health and Safety
Notification type	Incident
Incident date	24/11/2017 08:00 AM (WST)
Notification date	24/11/2017 02:26 PM (WST)
NOPSEMA response date	24/11/2017 02:58 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	27/11/2017
Final report received	22/12/2017
All required data received	22/12/2017
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- Breach of performance standard for Instrument Room Fire Suppression System
Location	Process deck
Subtype/s	Facility integrity
Summary <i>(at notification)</i>	<ul style="list-style-type: none">- "Relief" Damper for INERGEN System was found in a locked closed position (found a mechanic locking plate creating this condition). (description changes by NT - there is no release damper)- INERGEN System and associated damper is for the fire suppression system in instrument room.- This finding was noted to be in breach of performance standard for this system.- The condition or status of this damper is suspected to be a carry over from the shipyard or facility construction period.- It was discovered during planned maintenance activities (e.g. visual inspection).- The OIM reported that visual inspection is being carried out in other similar damper for possible repeat of circumstances.- The OIM also communicated that this event has been shared with the Ichthys FPSO.- 3 day report will follow shortly.

Details <i>(from final report)</i>	<ul style="list-style-type: none"> - "Relief" Damper for INERGEN System was found in a locked closed position (found a mechanic locking plate creating this condition). (Description changes by NT - changes from release to relief) - INERGEN System and associated damper is for the fire suppression system in instrument room. - This finding was noted to be in breach of performance standard for this system. - The condition or status of this damper is suspected to be a carry over from the shipyard or facility construction period. - It was discovered during planned maintenance activities (e.g. visual inspection). - The OIM reported that visual inspection is being carried out in other similar damper for possible repeat of circumstances. - The OIM also communicated that this event has been shared with the Ichthys FPSO. - 3 day report will follow shortly. <p>3 days report confirmed that the relief damper was found locked. There was no impediment to discharge inergen into protected spaces. The consequence of locked relief damper will result in damage to equipment including the damper. The justification to investigate previously stated was incorrect. 19/12/2017(NT).</p> <p>During inspection of the Inergen relief dampers in Column 3 Local Equipment Room (LER), an Inergen relief damper was found with the manual locking device installed. This would have prevented the damper from opening on demand from the ICSS. Root cause analysis to be conducted.</p> <p>On 24 November, while technicians were carrying out a visual equipment inspection, an Inergen relief damper in Column 3 Local Equipment Room (LER) was found with a manual locking device installed. This would have prevented the damper from opening on demand from the ICSS. With the locking pin in and the damper disengaged, the actuator is able to be cycled for function test, and open / close feedback will be received indicating the damper is functioning, when it actually is not. The effect of this damper being locked closed is it would not have opened for 120 seconds during an Inergen discharge (as per design) into the room. All 381 Inergen / Fire Dampers have been visually inspected and functionally tested to ensure compliance with the Performance Standard.</p>
Immediate cause/s	<p>Mechanical locking plate left over from construction period. Column 3 Local Equipment Room (LER) Inergen damper manual locking device was installed. This would have prevented the damper from opening on demand from the ICSS.</p> <p>Survey of other dampers has found some additional dampers with manual locking plates installed or link missing.</p>
Root cause/s	HPD - PROCEDURES - Followed incorrectly - details NI
Root cause description	Manual locking device on Inergen damper not removed post installation / function testing in Korea

Duty inspector recommendation	
--------------------------------------	--

Date	24/11/2017
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	27/11/2017
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	27/11/2017
Inspector	[REDACTED]
Risk gap	Moderate
Type of standard	Established
Initial strategy	Investigate

Recommended follow up strategy	
Recommended strategy	Investigate
Supporting considerations	Inability to provide fire suppressant inergen to instrument room when required could result in serious incident. A similar incident reported on 17th October 2017 - Notification 5108, where inergen distribution valve to battery room failed to operate. The incident was followed up in planned inspection 1724. All inergen system dampers including all HVAC dampers were inspected. [REDACTED]

Non-major investigation decision	
Date	27/11/2017
RoN	[REDACTED]
RoN review result	Agree with recommendation
Strategy decision	Investigate
Supporting considerations	

Associated inspection	
Inspection ID	1724