Notifiable incident

Incident ID	<u>5540</u>
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	22/08/2018 01:37 AM (WST)
Notification date	22/08/2018 03:35 AM (WST)
NOPSEMA response date	22/08/2018 07:10 AM (WST)
Received by	
Nearest state	WA
Initial category type (based on notification)	Other
Initial category (based on notification)	Information provided to NOPSEMA
3 Day report received	26/08/2018
Final report received	22/09/2018
All required data received	22/09/2018
Final category type (based on final report)	Dangerous Occurrence
Final category (based on final report)	Uncontrolled HC release >1 - 300 kg
Brief description	OHS-INFO-Gas release on facility
Location	
Subtype/s	Alarm, Emergency response, Muster
Summary (at notification)	The OIM of the CPF Ichthys Explorer reported that a gas release occurred at the facility, as2 line of Sight (LOS) gas detectors alarmed on DCS. The source of gas release is being investigated. At the time of the incident, the OIM reported that the Export Gas Compressor was being commissioned and the gas release is suspected to have been released for the compressor vent. The facility was shutdown, personnel mustered and accounted for. The OIM reported that the quantity, source and cause of gas release would be detailed in the 3-day report. Note: The notification 'detail' page is to be updated in terms of 'release amount' and 'categories' once the operrator has provided this information.

Details (from final report)	The OIM of the CPF Ichthys Explorer reported that a gas release occurred at the facility, as2 line of Sight (LOS) gas detectors alarmed on DCS. The source of gas release is being investigated. At the time of the incident, the OIM reported that the Export Gas Compressor was being commissioned and the gas release is suspected to have been released for the compressor vent. The facility was shutdown, personnel mustered and accounted for. The OIM reported that the quantity, source and cause of gas release would be detailed in the 3-day report. Note: The notification 'detail' page is to be updated in terms of 'release amount' and 'categories' once the operrator has provided this information. During Gas Export Compressor (GEC) 1 fuel gas commissioning, fuel gas was vented to a safe location as per current design, however several gas detectors were activated. On the 22nd August 2018 at approximately 23:59 there was a deliberate venting of a section of the Gas Export Compressor (GEC) 10 fuel gas piping as a part of the commissioning activities. The Central Control Room (CCR) was contacted by radio by the Commissioning team advising that they were about to vent and were given the all clear to proceed. The volume vented and vent route is per design albeit that the activation of the valves was forced. The activation of the valves was controlled by the Commissioning team members and all systems worked as expected. This vent line from BDV 407 is routed up three levels and discharges to atmosphere at a safe location. The venting triggered two gas detectors although not at the same time so no executive action occurred. The fill and rule care in the commissioning team members and all systems worked as expected. The aspected as proceed. The the field and the Commissioning team were not made aware of this event, and continued on to the next step in the commissioning process. The next step involved confirming the "fail to ignite" logic. This step required following a normal start sequence with the ignitors inhibited. During this s
Immediate cause/s	Being investigated.
Root cause/s	ED - DESIGN - Design specs - specs NI
Root cause description	Overlap of BDV opening before SDV had closed
Release type	Hydrocarbon gas
Duty inspector recommend	ation

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Date	22/08/2018
Duty inspector	
Recommendation	Do not conduct Major Investigation
Reasoning	Does not meet MI threshold based on information received
Supporting considerations	

Major investigation decision	
Date	27/08/2018
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	27/08/2018
Inspector	
Risk gap	Moderate
Type of standard	Established
Initial strategy	Investigate

Recommended follow up strategy	
Recommended strategy	Investigate
Supporting considerations	This is the first reported process HC release incident associated with the CPF. The HC was released from fuel gas vent stated in both verbal and in the 3D report. There is no process / pressure envelope being breached stated in the verbal communication. INPEX has mobilised investigation team to the CPF last Friday. The facility gas detectors activated, followed by ESD and GPA. The CPF and ASV were mustered orderly. Investigation is ongoing. I recommend that the notification to be followed up in PI 1776 and we will be on the facility on 11 Sept 2018.

Non-major investigation decision	
Date	27/08/2018
RoN	
RoN review result	Agree with recommendation
Strategy decision	Investigate
Supporting considerations	
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Associated inspection	
Inspection ID	1776