

Notifiable incident

Incident ID [4963](#)

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	16/06/2017 02:00 PM (WST)
Notification date	16/06/2017 05:55 PM (WST)
NOPSEMA response date	16/06/2017 08:20 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>	Unplanned event - implement emergency response plan
3 Day report received	19/06/2017
Final report received	14/07/2017
All required data received	17/07/2017
Final category type <i>(based on final report)</i>	Dangerous Occurrence
Final category <i>(based on final report)</i>	Unplanned event - implement emergency response plan
Brief description	OHS-UPE GPA activation
Location	Deck
Subtype/s	Alarm, Muster
Summary <i>(at notification)</i>	<p>The main activity on the facility at the time was connection of the facility mooring chains (28 in total). There are mooring hydraulic power units located in each of the 4 column store rooms. The mooring hydraulic power units were being operated to provide the hydraulic power for the mooring equipment on the facility topsides.</p> <p>At 13.58 on the 16th of June, smoke detectors in Column 2 store room activated causing a GPA on the facility. The mooring hydraulic power unit located in Column 2 had developed a hydraulic leak, which in turn activated the smoke detectors in the area. There was no physical indication / evidence of smoke or fire. The smoke detector activation was initiated by the hydraulic oil mist from the leak. The hydraulic oil released was contained within the bunded area of the skid.</p>
Details <i>(from final report)</i>	<p>The main activity on the facility at the time was connection of the facility mooring chains (28 in total). There are mooring hydraulic power units located in each of the 4 column store rooms. The mooring hydraulic power units were being operated to provide the hydraulic power for the mooring equipment on the facility topsides.</p> <p>At 13.58 on the 16th of June, smoke detectors in Column 2 store room activated causing a GPA on the facility. The mooring hydraulic power unit located in Column 2 had developed a hydraulic leak, which in turn activated the smoke detectors in the area. There was no physical indication / evidence of smoke or fire. The smoke detector activation was initiated by the hydraulic oil mist from the leak. The hydraulic oil released was contained within the bunded area of the skid.</p> <p>The filter housing O ring seal was determined to be the cause of the leak which initiated the two smoke alarms in Column 2 HPU room.</p> <p>The O ring was found to be slightly extruded from its location and some slight abrasions to the O ring surface were observed.</p> <p>There was evidence of some contamination between the two hydraulic assemblies, which may have prevented the equipment from being correctly assembled.</p>

Immediate cause/s	Hydraulic oil Leak from an "o" ring on mooring hydraulic power unit filter.
Root cause/s	ED - TOLERABLE FAILURE
Root cause description	Contamination between hydraulic components allowed the O ring seal to extrude slightly from the locating groove

Duty inspector recommendation

Date	16/06/2017
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	19/06/2017
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	20/06/2017
Inspector	[REDACTED]
Risk gap	None
Type of standard	Established
Initial strategy	Inclusion in annual stats/data analysis

Recommended follow up strategy

Recommended strategy	Inclusion in annual report stats / data analysis
Supporting considerations	New facility - no inspection history. No actual consequences, smoke detector activated by mist from hydraulic leak, no risk gap. Detection system functioned as designed.

Non-major investigation decision

Date	20/06/2017
RoN	[REDACTED]
RoN review result	Agree with recommendation
Strategy decision	Inclusion in annual report stats / data analysis
Supporting considerations	

Associated inspection

Inspection ID	
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