

Notifiable incident

Incident ID [5052](#)

Duty holder: INPEX Operations Australia Pty Ltd
Facility/Activity: Ichthys Venturer
Facility type: Floating production storage and offloading facility

Incident details	
Division	Occupational Health and Safety
Notification type	Incident
Incident date	16/09/2017 01:10 PM (WST)
Notification date	16/09/2017 02:35 PM (WST)
NOPSEMA response date	16/09/2017 03:20 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	19/09/2017
Final report received	09/10/2017
All required data received	09/10/2017
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- Muster on facility due to fire alarm
Location	Deck
Subtype/s	Alarm, Muster
Summary <i>(at notification)</i>	Full Muster on FPSO Ichthys Venture 13:10 due to an indication of fire in fire water pump room B. Investigation undertaken - There was NO fire. The fire indication appears to have occurred during a software download - so was a false alarm. All personnel stood down and facility is now at normal status. Returned call at 15:44 - not able to contact. Contacted at 16:10 and confirmed as a false alarm.

Details <i>(from final report)</i>	<p>At 13:10 WST on the 16 September 2017, the general alarm sounded and people commenced mustering on the facility. The alarm was thought to be due to fire in Fire Water Pump B room. However, the camera in the Pump B room did not show any indication of fire. Facility mustered, all persons were accounted for. On investigation it was found that there was no fire and a software download, which was being carried out on Fire Water Pump B, had triggered the alarm. Facility returned to normal status at 13:34 WST.</p> <p>They were carrying out general installation and Hook Up FPSO activities.</p> <p>On investigation the cause of the confirmed fire signal was due to the System Reset Button (-S1) on the front of the Fire Water Pump G panel (S-790-EC-001-B) being pushed twice in succession by the FRAMO Vendor. The System reset button is used to reset the Diesel engine and generator related alarms on the FWPG UCP to the Local package HIMA Himatrix FGS controller. A function of the Himatrix controller during reset is to send DO signals to relays which momentarily open circuit 3 heat detector loops installed within FWG room (heat detectors latch upon operation, open circuit required to reset latch). During this momentary operation the 3 heat detector loops are "Masked" with an internal logic timer to prevent "Fault" condition being received back to Himatrix controller (3 heat detector loops in "Fault" condition within voting group send confirmed fire signal S790DAS151). The internal logic "Masking" timer is set to expire after the fire detectors have recovered from "Fault" condition and the system is returned to normal. This revealed that although the fire detector loops are open circuit for reset each time S1 button is pressed, the internal "Masking" timer activates by the first button press only and will not reactivate until timing sequence has complete. This resulted in the "Masking" timer expiring while the 3 heat detector loops were in "Fault" condition during momentary reset operation sending confirmed fire signal S790DAS151. The Vendor has since supplied a logic fix for this software issue which has been uploaded into the system and satisfactorily tested accordingly.</p>
Immediate cause/s	A software download was being carried out on Fire Water Pump B that triggered the alarm. There was no fire.
Root cause/s	ED - DESIGN - Design specs - problem not anticipated
Root cause description	Faulty UCP logic

Duty inspector recommendation	
Date	16/09/2017
Duty inspector	██████████
Recommendation	Do not conduct Major Investigation
Reasoning	Does not meet MI threshold based on information received
Supporting considerations	

Major investigation decision	
Date	18/09/2017
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	18/09/2017
Inspector	██████████
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	<p>There are no prior inspection & operator response histories for Ichthys Venturer.</p> <p>The notified incident was a false alarm. Incident reported due to facility mustered. ██████████</p>

Non-major investigation decision

Date	20/09/2017
RoN	
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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