

Notifiable incident

Incident ID [5300](#)

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	02/03/2018 03:00 AM (WST)
Notification date	02/03/2018 09:37 AM (WST)
NOPSEMA response date	02/03/2018 10:43 AM (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	08/03/2018
Final report received	08/03/2018
All required data received	08/03/2018
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 - Temporary loss of availability of emergency generators
Location	
Subtype/s	Electrical, Facility integrity
Summary <i>(at notification)</i>	<p>The facility experienced a temporary loss of availability of both emergency generators between 03:00 hours and 06:45 hours due to trip signal generated from wiring disconnection. The main power generation was running at all times and no power disruption was experienced.</p> <p>Upon initial investigation, it was found that wiring disconnection is related to an ongoing cabling job under PTW at an adjacent space. The generators were in standby mode and fault signal was picked up at CCR panel. The problem has been rectified since 06:45 hours but investigation will be completed to determine exact cause of wiring disconnection.</p> <p>More information provided within the 3 day report.</p>

Details <i>(from final report)</i>	<p>The facility experienced a temporary loss of availability of both emergency generators between 03:00 hours and 06:45 hours due to trip signal generated from wiring disconnection. The main power generation was running at all times and no power disruption was experienced.</p> <p>Upon initial investigation, it was found that wiring disconnection is related to an ongoing cabling job under PTW at an adjacent space. The generators were in standby mode and fault signal was picked up at CCR panel. The problem has been rectified since 06:45 hours but investigation will be completed to determine exact cause of wiring disconnection.</p> <p>At 03:04 hrs (WST) on 2 March 2018, the Ichthys Venturer FPSO had a temporary loss of availability of both the Facilities Emergency Diesel Generators (EDG's), which are located in the Forward Machinery Space (FWD) Deck 0, Emergency Generator Room 1 (EMG 1) and Emergency Generator Room 2 (EMG 2). The Facility Central Control Room (CCR) received multiple EDG A and B warning alarms on the ICSS panel.</p> <p>Further investigation of the ICSS panel confirmed that the EDG A and B warning alarms, along with alarm Tag No 779X2A701A, was due to a SIS System Loop Fault Alarm (SIS FLT S779A001A ALM). This trip signal was generated from a wiring disconnection.</p> <p>At 06:45 hrs (WST) wiring was reconnected and both the FPSO EDG's were available for use. Throughout this period, the FPSO Main Power Generators 'A' and 'B' (MPG) were still available and no power disruption was experienced.</p> <p>The Facility did not meet the requirements of the (S060-AH-PST-10027) UPS and Emergency Power – FPSO Performance Standard, in that we did not have a minimum of one (1) emergency diesel generator available upon demand. There was no activation of the FPSO Emergency Response Plan.</p>
Immediate cause/s	Wiring disconnection caused fault signal or temporary impairment on emergency generators.
Root cause/s	HPD - MGMT SYS - Stds, policies, admin controls not used - recent change
Root cause description	The red line mark-up document control process to capture engineering change had not been correctly followed.

Duty inspector recommendation	
Date	06/03/2018
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	06/03/2018
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	06/03/2018
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	Relevant incident - RMS 5118 - failure of EmGen B. For this notification (5300), given that HC operations have not yet commenced on the facility, it is assessed that the temporary unavailability of the emergency generators during a period when main power was on-line would only lead to a minor consequence, if any, and that the likelihood would be unchanged. Risk gap = zero. Established standard - as per SoV and Class requirements.

Non-major investigation decision

Date	06/03/2018
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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