

Notifiable incident

Incident ID 5555

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	29/08/2018 10:00 AM (WST)
Notification date	30/08/2018 10:23 AM (WST)
NOPSEMA response date	30/08/2018 10:55 AM (WST)
Received by	
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	30/08/2018
Final report received	10/09/2018
All required data received	10/09/2018
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 - Emergency lights battery up time not meeting performance standard
Location	
Subtype/s	Electrical
Summary <i>(at notification)</i>	<ul style="list-style-type: none">- Facility technicians conducting routine maintenance on emergency lights at forward machinery space;- whilst performing emergency lighting battery backup time test;- it was observed on two lighting circuits that six lights did not meet the performance standard (PS) of 120 minutes operation under battery backup;- the operation of these lights were between 90 and 120 minutes therefore not meeting "Emergency and Escape lighting" PS;- Operator is progressing checking more emergency lights in the area;- the OIM stated that the reason for the delaying in reporting was due to the determination and assessment of timing of different emergency lights against the PS which was finalised this morning;- OIM mentioned that spare batteries have been ordered and temporary lights are available at the facility for coverage if required.- OIM said that additional mitigating measures may be put in place after the assessment of this occurrence is completed.- More detailed information may be provided within the 3 day report.

Details <i>(from final report)</i>	<ul style="list-style-type: none"> - Facility technicians conducting routine maintenance on emergency lights at forward machinery space; - whilst performing emergency lighting battery backup time test; - it was observed on two lighting circuits that six lights did not meet the performance standard (PS) of 120 minutes operation under battery backup; - the operation of these lights was between 90 and 120 minutes, therefore not meeting "Emergency and Escape lighting" performance standard (PS); - the operator is progressing checking more emergency lights in the area; - the OIM stated that the reason for the delaying in reporting was due to the determination and assessment of timing of different emergency lights against the PS which was finalised this morning; - OIM mentioned that spare batteries have been ordered and temporary lights are available at the facility for coverage if required. - OIM said that additional mitigating measures may be put in place after the assessment of this occurrence is completed. - More detailed information may be provided within the 3 day report. <p>Whilst performing routine maintenance on emergency lights in the forward machinery space, a battery backup time test was carried out. It was observed that on 2 lighting circuits that 6 lights did not meet the performance standard of 120 minutes. Operation time for these lights on battery backup was between 90 minutes and 120 minutes. Emergency and Escape Lighting – FPSO Performance Standard S060-AH-PST-10030 Section F.2 states that Emergency and Escape Lighting shall provide required illumination time of 120 minutes.</p>
Immediate cause/s	Deficient battery backup for emergency lights
Root cause/s	ED - TOLERABLE FAILURE
Root cause description	<p>The emergency escape lighting is confirmed to be on a 6 monthly programmed maintenance inspection schedule in the SAP system. Work orders have been created and parts including batteries are being procured. On average the lights failing the test are remaining illuminated for period between 90-120 minutes but not meeting the 120 minutes required to meet the performance standard. Additional emergency lighting requirements have been considered and deemed not necessary at this time. If a power loss situation occurred, emergency escape lighting would remain illuminated for sufficient time for personnel to leave the space.</p>

Duty inspector recommendation	
Date	30/08/2018
Duty inspector	██████████
Recommendation	Do not conduct Major Investigation
Reasoning	Does not meet MI threshold based on information received
Supporting considerations	

Major investigation decision	
Date	30/08/2018
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	30/08/2018
Inspector	██████████
Risk gap	Moderate
Type of standard	Established
Initial strategy	Investigate

Recommended follow up strategy	
Recommended strategy	Investigate
Supporting considerations	Consequences - personal injury during normal or abnormal operations due to light failure, noting that emergency lighting is the majority of available lighting at the facility at this time. Likelihood - increase from remote to possible, therefore risk gap = moderate. Established standard - as per scope of validation. Recommend investigation at the next PI in December 2018 to understand the resolution of this matter.

Non-major investigation decision	
Date	30/08/2018
RoN	[REDACTED]
RoN review result	Agree with recommendation
Strategy decision	Investigate
Supporting considerations	

Associated inspection	
Inspection ID	1794